

STIC-Biotech/ChemLib

162174

From: Bowman, Amy
Sent: Wednesday, September 28, 2005 3:01 PM
To: STIC-Biotech/ChemLib
Cc: Bowman, Amy
Subject: sequence search-10/738,413

Hello,
I need SEQ ID NO: 1 searched in application 10/738,413, with lower and upper limits of 21 and 30 nucleobases, respectively.
Thank you,
Amy Bowman
AU 1635
REM 2C31
mail REM 2C18
571-272-0755

CNFE

Barb O Byler

Searcher: _____
Searcher Phone: _____
Date Searcher Picked up: _____
Date completed: _____
Searcher Prep Time: _____
Online Time: _____

Type of Search
NA# _____ AA# _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure #: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable
STN: _____
DIALOG: _____
QUESTEL/ORBIS: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: _____
WWW/Internet: _____
Other (Specify): _____

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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: September 30, 2005, 09:06:54 ; Search time 1712 Seconds
(without alignments)
594.369 Million cell updates/sec

Title: US-10-738-413-1

Perfect score: 21
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Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 646394

Minimum DB seq length: 21
Maximum DB seq length: 30

Post-processing: Minimum Match 0%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	13.6	64.8	26	6	AR091206 Sequence
3	13.6	64.8	26	6	AR198188 Sequence
4	13.6	64.8	26	6	AR198241 Sequence
5	13.6	64.8	26	6	AR260342 Sequence
6	13.6	64.8	26	6	AR260395 Sequence
7	13.4	63.8	25	6	AR526958 Sequence
8	13.4	63.8	25	6	128239 Sequence
9	13.4	63.8	25	6	AR195002 Sequence
10	13.4	63.8	25	6	AX183809 Sequence
11	13.2	62.9	24	6	E26686 Improved me
12	13.2	62.9	24	6	AX292533 Sequence
13	12.8	61.0	21	6	BD171375 Method fo
14	12.8	61.0	21	6	BD173609 Method of
15	12.8	61.0	22	6	AX354409 Sequence
16	12.8	61.0	22	6	CQ866237 Sequence
17	12.6	60.0	22	6	AX503893 Sequence
18	12.6	60.0	23	6	AX148231 Sequence
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C 20	12.6	60.0	30	6	AR091140 Sequence
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C 22	12.6	60.0	30	6	AR260329 Sequence
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C 34	12.2	58.1	30	10	S86546 TCR V beta
C 35	12.2	57.1	21	6	AR123316 Sequence
C 36	12.2	57.1	21	6	AR487412 Sequence
C 37	12.2	57.1	21	6	AR529674 Sequence
C 38	12.2	57.1	21	6	AX095699 Sequence
C 39	12.2	57.1	23	6	AX105351 Sequence
C 40	12.2	57.1	24	6	CQ792973 Sequence
C 41	12.2	57.1	25	6	AR117096 Sequence
C 42	12.2	57.1	25	6	AR175432 Sequence
C 43	12.2	57.1	25	6	AR238776 Sequence
C 44	12.2	57.1	25	6	AR338139 Sequence
C 45	12.2	57.1	25	6	AX609748 Sequence

ALIGNMENTS

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ACCESSION	AR091153				
VERSION	AR091153.1				
KEYWORDS	GI:10017908				
SOURCE	Unknown.				
ORGANISM	Unknown.				
REFERENCE	1 (bases 1 to 26)				
AUTHORS	Chenichik,A., Jekhadze,G. and Bibilashvili,R.				
TITLE	Methods of assaying differential expression				
JOURNAL	Patent: US 5994076-A 1273 30-NOV-1999;				
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LOCUS	Sequence 1326 from patent US 5994076.				
DEFINITION	AR091206				
ACCESSION	AR091206				
VERSION	AR091206.1				
KEYWORDS	GI:10017961				
SOURCE	Unknown.				
ORGANISM	Unknown.				
REFERENCE	1 (bases 1 to 26)				
AUTHORS	Chenichik,A., Jekhadze,G. and Bibilashvili,R.				
TITLE	Methods of assaying differential expression				

JOURNAL Patent: US 5994076-A 1326 30-NOV-1999;
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Db 4 AGGACCTTCAGTCTACTT 23

RESULT 3
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DEFINITION Sequence 1273 from patent US 6352829.
ACCESSION AR198188
VERSION AR198188.1 GI:20248037
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
JOURNAL Patent: US 6352829-A 1273 05-MAR-2002;
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/mol_type="unassigned DNA"

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Best Local Similarity 55.0%; Pred. No. 1.5e+04;
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Qy 1 UNGACCGCCAGGCGUCCTT 20
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RESULT 4
LOCUS AR198241 26 bp DNA linear PAT 20-APR-2002
DEFINITION Sequence 1326 from patent US 6352829.
ACCESSION AR198241
VERSION AR198241.1 GI:20248090
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
JOURNAL Patent: US 6352829-A 1326 05-MAR-2002;
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/mol_type="unassigned DNA"

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Best Local Similarity 65.0%; Pred. No. 1.5e+04;
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Qy 2 AGGACCGCCAGGCGUCCTT 21
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Db 4 AGGACCTTCAGTCTACTT 23

RESULT 5
LOCUS AR260342 26 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 1273 from patent US 6489455.
ACCESSION AR260342
VERSION AR260342.1 GI:27310853
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
JOURNAL Patent: US 6489455-A 1273 03-DEC-2002;
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Qy 1 UNGACCGCCAGGCGUCCTT 20
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Db 20 TTGGCCTTGCCGCTGCTCTT 1

RESULT 6
LOCUS AR260395 26 bp DNA linear PAT 20-DEC-2002
DEFINITION Sequence 1326 from patent US 6489455.
ACCESSION AR260395
VERSION AR260395.1 GI:27310906
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 26)
AUTHORS Chenchik,A., Jokhadze,G. and Bibilashvili,R.
TITLE Methods of assaying differential expression
JOURNAL Patent: US 6489455-A 1326 03-DEC-2002;
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LOCUS AR526958 23 bp DNA linear PAT 08-OCT-2004
DEFINITION Sequence 12 from patent US 6723534.
ACCESSION AR526958
VERSION AR526958.1 GI:53913871
KEYWORDS
SOURCE Unknown.
ORGANISM Unclassified.
REFERENCE 1 (bases 1 to 23)
AUTHORS Lin,H.
TITLE Purified and isolated PIWI family genes and gene products and
therapeutic and screening methods using same

JOURNAL Patent: US 6723534-A 12 20-APR-2004;
 FEATURES Location/Qualifiers
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 /mol_type="genomic DNA"

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RESULT 8
 LOCUS 128239 25 bp DNA linear PAT 06-FEB-1997
 DEFINITION Sequence 15 from patent US 5569753.
 ACCESSION 128239
 VERSION 128239.1 GI:1819015
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unclassified.

REFERENCE 1 (bases 1 to 25)
 AUTHORS Wigler,M. and Listitsyn,N.
 TITLE Cancer detection probes
 JOURNAL Patent: US 5569753-A 15 29-OCT-1996;
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 Best Local Similarity 73.3%; Pred. No. 1.9e+04;
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 LOCUS AR195002 25 bp DNA linear PAT 20-APR-2002
 DEFINITION Sequence 24 from patent US 6350576.
 ACCESSION AR195002
 VERSION AR195002.1 GI:20244439
 KEYWORDS
 SOURCE Unknown.
 ORGANISM Unclassified.
 REFERENCE 1 (bases 1 to 25)
 AUTHORS Wigler,M. and Listitsyn,N.
 TITLE Cancer detection probes
 JOURNAL Patent: US 6350576-A 24 26-FEB-2002;
 FEATURES Location/Qualifiers
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QY 1 UAGACCTGCCAGUG 15
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 3 TAGGAAGTGCAGTGT 17

RESULT 10
 LOCUS AX183809 29 bp DNA linear PAT 06-AUG-2001
 DEFINITION Sequence 1562 from Patent WO0142511.
 ACCESSION AX183809
 VERSION AX183809.1 GI:15135137
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE 1
 AUTHORS Daly,M., Hudson,T.J., Lander,E.S., Rioux,J. and Siminovitch,K.
 TITLE Ibd-related polymorphisms
 JOURNAL Patent: WO 0142511-A 1562 14-JUN-2001;
 WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Ellipse
 Biorepatures Corporation (CA)
 FEATURES Location/Qualifiers
 SOURCE 1..29
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ORIGIN

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 10 AGGACCTGCCAGTGT 25

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 LOCUS E26686 22 bp DNA linear PAT 18-JUN-2001
 DEFINITION Improved method for measuring cytokine gene expression.
 ACCESSION E26686
 VERSION E26686.1 GI:13026273
 KEYWORDS JP 1999155600-A/36.
 SOURCE unidentified
 ORGANISM unidentified
 REFERENCE 1 (bases 1 to 22)
 AUTHORS Michio,S., Takeshi,H., Masato,H. and Hideyuki,I.
 TITLE Improved method for measuring cytokine gene expression
 JOURNAL Patent: JP 1999155600-A 36 15-JUN-1999;
 SHISEIDO CO LTD
 OS Unidentified
 PN JP 1999155600-A/36
 PD 15-JUN-1999
 PF 28-NOV-1997 JP 1997328171
 PR
 PI MICHIIO SHIBATA, TAKESHI HARIYA, MASATO HATAO, HIDEYUKI ICHIKAWA
 PC C1201/68, C07K14/52, C07K14/54, C07K14/55, C07K14/56, C07K14/57, PC
 C12N15/09
 PC G01N33/50/(C1201/68, C12R1:91)
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Db

RESULT 12
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 LOCUS BDI73609 24 bp DNA linear PAT 21-NOV-2001
 DEFINITION Sequence 4295 from Patent WO0179548.
 AX292533
 ACCESSION AX292533
 VERSION AX292533.1 GI:117054216
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.

REFERENCE
 1 Barany, F., Zivri, M., Gerry, N.P., Favis, R. and Kliman, R.
 Method of designing addressable array for detection of nucleic acid
 sequence differences using ligase detection reaction
 Patent: WO 0179548-A 4295 25-OCT-2001;
 CORNELL RESEARCH FOUNDATION, INC. (US)
 JOURNAL Location/Qualifiers

FEATURES
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 7 GGACCTGGTAGTGCTCGT 24

Db

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 LOCUS BDI71375
 DEFINITION Method for detecting bronchial asthma risk factor.
 BDI71375
 ACCESSION BDI71375.1 GI:28412665
 VERSION BDI71375.1
 KEYWORDS JP 2002218997-A/10.
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 1 (bases 1 to 21)
 Nakamura, Y. and Tamari, M.
 Method for detecting bronchial asthma risk factor
 Patent: JP 2002218997-A 10 06-AUG-2002;
 OTSUKA PHARMACEUTICAL CO LTD
 JOURNAL Location/Qualifiers

COMMENT
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 PN JP 2002218997-A/10
 PD 06-AUG-2002
 PF 25-JAN-2001 JP 2001017076
 PI YUSUKE NAKAMURA, MAYUMI TAMARI
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Db

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 LOCUS BDI73609
 DEFINITION Method of detecting bronchial asthma onset risk factor.
 BDI73609
 ACCESSION BDI73609
 VERSION BDI73609.1 GI:28414940
 KEYWORDS WO 02059305-A/10.
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 1 (bases 1 to 21)
 Nakamura, Y. and Tamari, M.
 Method of detecting bronchial asthma onset risk factor
 Patent: WO 02059305-A 10 01-AUG-2002;
 OTSUKA PHARMACEUTICAL CO LTD, YUSUKE NAKAMURA, MAYUMI TAMARI
 JOURNAL Location/Qualifiers

COMMENT
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 PD 01-AUG-2002
 PF 25-JAN-2002 JP 2002JP000540
 PR 25-JAN-2001 JP 01P 017076
 PI YUSUKE NAKAMURA, MAYUMI TAMARI
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 5 ACCUGCCAGGCTTTT 20

Db

RESULT 15
 AX354409 22 bp DNA linear PAT 06-FEB-2002
 LOCUS AX354409/c
 DEFINITION Sequence 55 from Patent WO0196523.
 AX354409
 ACCESSION AX354409
 VERSION AX354409.1 GI:18619251
 KEYWORDS
 SOURCE synthetic construct
 ORGANISM synthetic construct
 other sequences; artificial sequences.
 1 (bases 1 to 22)
 Kennedy, G.C., Kang, S., Reinhard, C. and Jefferson, A.B.
 Polynucleotides related to colon cancer
 Patent: WO 0196523-A 55 20-DEC-2001;
 CHIRON CORPORATION (US)
 JOURNAL Location/Qualifiers

COMMENT
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 PN AX354409
 PD 06-FEB-2002
 PF 25-JAN-2001 JP 2001017076
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 Job time : 1716 secs

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: September 30, 2005, 09:06:54 ; Search time 415 Seconds
(without alignments)
299.553 Million cell updates/sec

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

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C	4	14.2	65.7	30	12	ADP45901	Adp45901 PCR prim
C	5	13.8	65.7	22	12	ADK44415	Adk44415 Primer c
C	6	13.8	65.7	23	5	AAD02074	Aad02074 3' PCR pr
C	7	13.8	65.7	25	9	ACK12937	Ack12937 Human mtd
C	8	13.8	65.7	25	9	ACT15817	Act15817 Human mtd
C	9	13.8	65.7	29	10	ADC47044	Adc47044 BEC1 po
C	10	13.8	65.7	29	10	ADJ35763	Adj35763 Human ge
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C	12	13.6	64.8	26	6	ABK67238	Abk67238 Human ge
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22	13.2	62.9	30	8	ACC80639	ACC80639 Human pro
23	12.8	61.0	21	6	AA144199	AA144199 Human I-k
24	12.8	61.0	22	6	AA141637	AA141637 Human col
C 25	12.8	61.0	25	9	AC101231	AC101231 Human mic
C 26	12.8	61.0	25	10	ADCS1559	ADCS1559 Primer test
C 27	12.8	61.0	25	13	ADR57519	ADR57519 Drug chem
28	12.8	61.0	26	10	ADBE40061	ADBE40061 5' TERT an
29	12.8	61.0	26	10	ADBE40067	ADBE40067 5' TERT an
30	12.8	61.0	26	10	ADBE40055	ADBE40055 5' TERT an
31	12.8	61.0	26	10	ADG14352	ADG14352 Human G-F-F
32	12.6	60.0	21	9	AA058127	AA058127 GAPDH øpe
33	12.6	60.0	21	10	ADDA4397	ADDA4397 Rat GAPDH
C 34	12.6	60.0	22	6	AB863481	AB863481 Real-time
C 35	12.6	60.0	23	5	AA507986	AA507986 Human G-P
C 36	12.6	60.0	23	6	ABA94688	ABA94688 GAPDH RNA
C 37	12.6	60.0	23	11	AD196518	AD196518 Human G F
C 38	12.6	60.0	23	12	AD037704	AD037704 Human G-F-
C 39	12.6	60.0	25	9	ACC42118	ACC42118 Human KCN
C 40	12.6	60.0	25	9	AC113346	AC113346 Human mic
C 41	12.6	60.0	25	9	AC199906	AC199906 Human mic
C 42	12.6	60.0	25	9	AC163080	AC163080 Human mic
C 43	12.6	60.0	25	9	AC101867	AC101867 Human mic
C 44	12.6	60.0	25	9	AC163699	AC163699 Human mic
C 45	12.6	60.0	30	6	ABK67172	ABK67172 Human gen

ALIGNMENTS

RESULT 1
AAH74915
ID AAH74915 standard; DNA; 28 BP.

AC AAH74915;

DT 29-OCT-2001 (first entry)

DE DNA sequence of encoded adaptor for detecting base 1 of template.

Nucleotide sequence signature; nucleotide sequencing; ss

OS Synthetic

PN WO200161044-A1.

PD 23-AUG-2001.

PF 15-FEB-2001; 2001WO-US005032.

PR 15-FEB-2000; 2000US-0182454P

[illegible]

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PT Determining nucleotide sequence signature, by obtaining optical values
PT for each nucleotide position in a group, adjusting them to get ratio of
PT final highest values near predetermined factor, generating base call.

PS Disclosure; Page 15; 73pp; English.

CC The specification describes a method for determining a nucleotide
CC sequence signature. The method comprises obtaining optical measurements
CC with values indicating each nucleotide in a group of nucleotide
CC positions, adjusting the values until the ratio of highest value in the
CC set to next highest values in the set is at least a predetermined factor
CC and generating a base call for a position in the group based on results
CC after the adjustment of values. The method is used for determining a
CC signature of a nucleotide sequence, and for determining a nucleotide

CC sequence of a polynucleotide from a series of optical measurements.
CC AAH74912-27 represent encoded adaptors, which are used for detecting
CC bases of a DNA template, in the course of the invention
XX
SQ Sequence 28 BP; 4 A; 7 C; 7 G; 7 T; 0 U; 3 Other;
Query Match 69.5%; Score 14.6; DB 4; Length 28;
Best Local Similarity 61.9%; Pred. No. 2.8e+03;
Matches 13; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
QY 1 UAGGACUCCGAGUCUCUUTT 21
DB 4 TACGAGCTCCAGTCCGCTTT 24
RESULT 2
ACT63698/C
ID ACT63698 standard; DNA; 25 BP.
XX
XX ACT63698;
XX
DT 13-OCT-2003 (first entry)
XX
DE Human microarray DNA oligonucleotide SEQ ID NO 63689.
XX
XX EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
XX cross-species comparison.
XX
OS Homo sapiens.
XX
XX US2003104410-A1.
XX
XX 05-JUN-2003.
XX
XX 15-MAR-2002; 2002US-00098263.
XX
XX 16-MAR-2001; 2001US-0276759P.
XX
XX (APFY-) APFYMETRIX INC.
XX
XX Miltmann MP;
XX
XX WPI; 2003-567953/53.
XX
XX New array of nucleic acid probes, useful for in situ hybridization, in
PT Southern, Northern or dot-blot hybridization to identify or detect the
PT sequence or specific mutations of any gene.
XX
XX
XX Claim 1; SEQ ID NO 63689; 9pp; English.
XX
XX The invention discloses a microarray comprising a plurality of nucleic
CC acid probes including one of 2,018,500 fully defined sequences, or its
CC perfect match, perfect mismatch, antisense match or antisense mismatch.
CC Also disclosed is a method of gene expression analysis. The array is used
CC in monitoring gene expression levels by hybridization to a DNA library,
CC in analysis of genetic variation or in hybridization of tag-labeled
CC compounds. The nucleic acid probes are specifically designed for analysis
CC of at least one target sequence. The method of analysis comprises
CC hybridizing at least one or more nucleic acids to at least two or more
CC nucleic acid probes and detecting the hybridization. The nucleic acid
CC probes are attached to a solid support. The analysis comprises monitoring
CC gene expression levels, identifying biallelic markers or polymorphisms,
CC or family members of a gene and a cross-species comparison. Each of the
CC nucleic acids further comprises a tag sequence. The array of nucleic
CC probes is useful in in situ hybridization, in Southern, Northern or dot-
CC blot hybridization to identify or detect the sequence or specific
CC mutations of any gene, in mapping the 5' termini of mRNA molecules by
CC primer extensions or in screening cDNA or genomic libraries or subclones
CC for additional subclones containing segments of DNA that have been
CC isolated and previously sequenced. The sequence presented is one of the
CC nucleic acid probes incorporated in the microarray. Note: The sequence
CC data for this patent can also be obtained in electronic format directly

CC from USPTO at seqdata.uspto.gov/sequence.html
XX
SQ Sequence 25 BP; 8 A; 5 C; 4 G; 8 T; 0 U; 0 Other;
Query Match 67.6%; Score 14.2; DB 9; Length 25;
Best Local Similarity 63.2%; Pred. No. 4.3e+03;
Matches 12; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
QY 3 GGACUCCGAGUCUCUUTT 21
DB 24 GGAAGTGAAGTGTCTTT 6
RESULT 3
AAD51155
ID AAD51155 standard; DNA; 28 BP.
XX
XX AAD51155;
XX
XX 02-APR-2003 (first entry)
XX
XX
DE Adapter DNA #10 used to illustrate the method of the invention.
XX
XX Genetic analysis; allelic analysis; ss.
XX
XX Unidentified.
XX
XX
XX Key Location/Qualifiers
FT misc_feature 4 /*tag= a
FT /note= "Represented as X2 in the specification"
XX
XX WO200279496-A2.
XX
XX 10-OCT-2002.
XX
XX 27-MAR-2002; 2002WO-US009928.
XX
XX 28-MAR-2001; 2001US-00821694.
XX
XX (MIND-) APPLIED MINDS INC.
XX
XX Hillis WD;
XX
XX WPI; 2003-046825/04.
XX
XX Obtaining information on target nucleic acid analyte, by hybridizing
PT target with oligonucleotide probes complementary, or complementary except
PT at position of interest to target and analyzing probe hybridization.
XX
XX
XX Example 1; Page 39; 66pp; English.
XX
XX The invention relates to a method of obtaining information on a target
CC nucleic acid analyte containing a target segment. The method involves
CC hybridizing target nucleic acid analyte with at least two oligonucleotide
CC probes, where each probe comprises a sequence fully complementary, or
CC complementary except at a position of interest or variable position, to
CC the target nucleic acid analyte and analyzing whether all, some or none
CC of the probes hybridize. The method is useful for sequencing and for
CC obtaining information on a number of target nucleic acid sequence
CC segments, where information comprises the determination of a nucleotide
CC at a position of interest. It is also useful for genetic or allelic
CC analysis of genomic DNA or cDNA. The present sequence is an adapter DNA,
CC used to illustrate the method of the invention
XX
SQ Sequence 28 BP; 4 A; 7 C; 7 G; 6 T; 0 U; 4 Other;
Query Match 67.6%; Score 14.2; DB 10; Length 28;
Best Local Similarity 61.9%; Pred. No. 4.4e+03;
Matches 13; Conservative 4; Mismatches 4; Indels 0; Gaps 0;
QY 1 UAGGACUCCGAGUCUCUUTT 21

DB		4 KACGAGCTGCAGTCCGCTTT 24
RESULT 4		
ID	ADP45901	standard; DNA; 30 BP.
XX	ADP45901;	
AC	ADP45901;	
XX		
DT	26-AUG-2004 (first entry)	
XX		
DE	PCR primer 4 used to genotype human MAP kinase MAPK10 polymorphism.	
XX		
KM	breast cancer; cytosolic; gene therapy; human; ss; primer; PCR; SNP;	
KW	single nucleotide polymorphism; MAP kinase; MAPK10; JNK3; JNK3A; p493F12;	
KV	p54BSAPK MAP kinase; c-Jun kinase 3; JNK3 alpha protein kinase;	
KX	c-Jun N-terminal kinase 3; stress activated protein kinase beta;	
XX	chromosome 4q22.1-q23.	
OS	Homo sapiens.	
PN	WO2004047623-A2.	
PD	10-JUN-2004.	
PF	25-NOV-2003; 2003WO-US037948.	
PR	25-NOV-2002; 2002US-0429136P.	
PA	24-JUL-2003; 2003US-0490234P.	
PI	(SEQ-) SEQUENOM INC.	
DR	Roth RB, Nelson MR, Braun A, Kammerer SM, Reneland R;	
XX	WPI; 2004-441051/41.	
PT	Identifying a subject at risk of breast cancer by detecting the presence	
PT	of polymorphic variations in the ICAM, MAPK10, KIA0861, NMAL or GALT	
PT	regions which are associated with breast cancer in a nucleic acid sample	
PT	from a subject.	
PS	Example 5; Page 90; 28pp; English.	
CC	The invention relates to a novel method for identifying a subject at risk	
CC	of breast cancer comprising detecting the presence or absence of one or	
CC	more polymorphic variations associated with breast cancer in a nucleic	
CC	acid sample from a subject. The method of the invention has cytostatic	
CC	applications and may be useful for identifying a subject at risk of	
CC	breast cancer, for early diagnosis, prevention and treatment of breast	
CC	cancer, possibly via gene therapy, as well as to analyse and predict a	
CC	response to a breast cancer treatment and in clinical drug trials. The	
CC	current sequence is that of a PCR primer of the invention which was used	
CC	to genotype human MAP kinase MAPK10 (JNK3;JNK3A;p493F12;p54BSAPK MAP	
CC	kinase;c-jun kinase 3;JNK3 alpha protein kinase;c-jun N-terminal kinase 3	
CC	;stress activated protein kinase beta) gDNA which has been mapped to	
CC	chromosomal position 4q22.1-q23.	
SQ	Sequence 30 BP; 7 A; 6 C; 9 G; 8 T; 0 U; 0 Other;	
Query Match	67.6%; Score 14.2; DB 12; Length 30;	
Best Local Similarity	57.9%; Pred. No. 4.4e+03;	
Matches 11; Conservative 5; Mismatches 3; Indels 0; Gaps 0		
OY	1 UAGGACUUCGCGAGUCGU 19	
Db	: : : :	
	4 TTGGATGTCCAGTGCTCT 22	
RESULT 5		
ID	ADK94415	standard; DNA; 22 BP.
XX	ADK94415;	
AC	ADK94415;	

XX	DT	06-MAY-2004	(first entry)
XX	DE	Primer of the invention #135.	
XX	KW	human; single nucleotide polymorphism; SNP; ss; primer.	
XX	OS	Synthetic.	
XX	PN	JP2003259875-A.	
XX	PD	16-SEP-2003.	
XX	PF	08-MAR-2002; 2002JP-00064373.	
XX	PR	08-MAR-2002; 2002JP-00064373.	
XX	PA	(KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN.	
XX	DR	WPI; 2004-093977/10.	
XX	PT	Novel polynucleotide useful for PCR amplification along with two DNA	
XX	PT	fragment from another set of sequences, or for detecting single	
XX	PT	nucleotide polymorphism in human gene.	
XX	PS	Claim 2; SEQ ID NO 344d; 2627bp; Japanese.	
CC	CC	The present invention relates to a polynucleotide isolated from a human	
CC	CC	gene and is useful for detecting a single nucleotide polymorphism in a	
CC	CC	human gene or for diagnosing of disease. The invention enables the	
CC	CC	detection of a single nucleotide polymorphism in a human gene. The	
CC	CC	present sequence represents a primer of the invention.	
XX	SQ	Sequence 22 BP; 3 A; 7 C; 5 G; 7 T; 0 U; 0 Other;	
XX	Query Match	65.7%; Score 13.8; DB 12; Length 22;	
XX	Best Local Similarity	64.7%; Pred. No. 6.7e+03;	
XX	Matches 11; Conservative	4; Mismatches 2; Indels 0; Gaps 0;	
OY	1	UAGACCGGCCGAGUCU 17	
	:	: : :	
Dn	4	TAGATCTTCACAGTCT 20	
RESULT 6			
AAD02074/c	ID	AAD02074 standard; DNA; 23 BP.	
XX	AC	AAD02074;	
XX	DT	26-MAR-2001 (first entry)	
XX	DE	3' PCR primer for preparing N-myc fusion construct.	
XX	Human; tumour necrosis factor; TNF; TRAF2; inhibitor; treatment;		
XX	TNF-receptor associated factor; TRAF2 truncated; TRAF2TN; TRAF2TD;		
XX	TRAF2 truncated-deleted; antiinflammatory; cardiac; Myc tag; vasotropic;		
XX	antiproliferic; antihemetic; antiarthritic; antidiabetic;		
XX	antiarteriosclerotic; immunosuppressive; Crohn's disease; psoriasis;		
XX	rheumatoid arthritis; graft versus host disease; cardiovascular disease; stroke;		
XX	non-insulin dependent diabetes; inflammatory bowel disease; stroke;		
XX	neurodegenerative disease; congestive heart failure; PCR primer;		
XX	myocardial infarction; nuclear factor kappa B; NFkB; ss.		
XX	Homo sapiens.		
XX	OS	Synthetic.	
XX	PN	WO200066737-A1.	
XX	PD	09-NOV-2000.	
XX	PF	06-APR-2000; 2000MO-US009178.	
XX			

PR 30-APR-1999; 99US-0131940P.
XX (AVET) AVENTIS PHARM PROD INC.
XX
XX
PI Searfoss GH, Pagnoni MF, Ivashchenko YD, Guo K, Clark KL;
XX WPI; 2001-007223/01.
XX
XX New nucleic acid encoding variants of tumor necrosis factor receptor
PT associated factors useful for inhibiting tumor necrosis factor alpha-
PT regulated pathways, and for treating Crohn's disease, psoriasis, and
PT rheumatoid arthritis.
XX
XX Example 3; Page 42; 74pp; English.
XX
XX The present invention relates to variants of tumour necrosis factor (TNF)
CC -receptor associated factor (TRAF2). TRAF2 has two variants, a splice
CC variant referred as "TRAF2 truncated" (TRAF2TR) and an expression
CC construct with enhanced dominant negative properties referred as "TRAF2
CC truncated-deleted" (TRAF2TD). TRAF2 variants are capable of inhibiting
CC TNF alpha signalling pathways and for inhibiting diseases involving over
CC production of TNFalpha, TNFalpha pathologies involving hyperactivation of
CC nuclear factor kappa B (NFkB). The variants are also useful for
CC inhibiting and treating inflammatory processes involving TNFalpha such as
CC Crohn's disease, psoriasis, rheumatoid arthritis, graft versus host
CC disease, non-insulin dependent diabetes, inflammatory bowel disease, and
CC neurodegenerative diseases or cardiovascular disease such as cardiac
CC ischaemia-reperfusion injury following myocardial infarction, coronary
CC artery bypass surgery, cardiac transplantation or ischaemia-reperfusion
CC injury in the central nervous system (CNS) following stroke, the
CC progression and rupture of advanced coronary atherosclerotic plaques,
CC development and progression of congestive heart failure, endothelial cell
CC injury following balloon angioplasty, or apoptotic cell death of
CC myocardial cells. The present sequence is a 3' PCR primer for preparing a
CC fusion construct containing N-myc affinity tag as well as truncated and
CC full length TRAF2. N-myc is useful for determining the effect of TRAF2TR
CC on NFkB activation. Truncated as well as full length TRAF2 were
CC constructed with N-myc affinity tags in a mammalian expression vector
CC (pCDNA3). N-myc fusion constructs were prepared using 5' and 3' PCR
CC primers
XX
XX Sequence 23 BP; 6 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
SQ
Query Match 65.7%; Score 13.8; DB 5; Length 23;
Best Local Similarity 70.6%; Pred. No. 6.7e+03;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 3 GGACCGCCAGGCGCCTT 19
Db 19 GGACCTGACGAGGCTCT 3
RESULT 7
ACK21937/C
ID ACK21937 standard; DNA; 25 BP.
XX
XX ACK21937;
XX
XX 14-OCT-2003 (first entry)
XX
XX Human microarray DNA oligonucleotide SEQ ID NO 121918.
XX
XX EST; 86; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
KW cross-species comparison.
XX
XX Homo sapiens.
XX
XX US2003104410-A1.
XX
XX 05-JUN-2003.
XX
XX PD
XX
XX 15-MAR-2002; 2002US-00098263.
PF

XX
XX 16-MAR-2001; 2001US-0276759P.
PR
XX (AFFY-) AFFYMETRIX INC.
XX
XX
XX
PI Miltmann MP;
XX
XX WPI; 2003-567953/53.
XX
XX New array of nucleic acid probes, useful for in situ hybridization, in
PT Southern, Northern or dot-blot hybridization to identify or detect the
PT sequence or specific mutations of any gene.
XX
XX Claim 1; SEQ ID NO 121918; 9pp; English.
XX
XX The invention discloses a microarray comprising a plurality of nucleic
CC acid probes including one of 2,018,500 fully defined sequences, or its
CC perfect match, perfect mismatch, antisense match or antisense mismatch.
CC Also disclosed is a method of gene expression analysis. The array is used
CC in monitoring gene expression levels by hybridisation to a DNA library,
CC in analysis of genetic variation or in hybridisation of tag-labelled
CC compounds. The nucleic acid probes are specifically designed for analysis
CC of at least one target sequence. The method of analysis comprises
CC hybridising at least one or more nucleic acids to at least two or more
CC nucleic acid probes and detecting the hybridisation. The nucleic acid
CC probes are attached to a solid support. The analysis comprises monitoring
CC gene expression levels, identifying biallelic markers or polymorphisms,
CC or family members of a gene and a cross-species comparison. Each of the
CC nucleic acids further comprises a tag sequence. The array of nucleic acid
CC probes is useful in in situ hybridisation, in Southern, Northern or dot-
CC blot hybridisation to identify or detect the sequence or specific
CC mutations of any gene, in mapping the 5' terminus of mRNA molecules by
CC primer extensions or in screening cDNA or genomic libraries or subclones
CC for additional subclones containing segments of DNA that have been
CC isolated and previously sequenced. The sequence presented is one of the
CC nucleic acid probes incorporated in the microarray. Note: The sequence
CC data for this patent can also be obtained in electronic format directly
CC from USPTO at seqdata.uspto.gov/sequence.html
XX
XX Sequence 25 BP; 5 A; 6 C; 7 G; 7 T; 0 U; 0 Other;
SQ
Query Match 65.7%; Score 13.8; DB 9; Length 25;
Best Local Similarity 70.6%; Pred. No. 6.8e+03;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
QY 4 GACCGCCAGGCGCCTT 20
Db 21 GACCTGCGGAGACTCTT 5
RESULT 8
ACIS8170/C
ID ACIS8170 standard; DNA; 25 BP.
XX
XX ACIS8170;
XX
XX 13-OCT-2003 (first entry)
XX
XX Human microarray DNA oligonucleotide SEQ ID NO 58161.
XX
XX EST; 86; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
KW cross-species comparison.
XX
XX Homo sapiens.
XX
XX US2003104410-A1.
XX
XX 05-JUN-2003.
XX
XX 15-MAR-2002; 2002US-00098263.
XX
XX PF
XX
XX 16-MAR-2001; 2001US-0276759P.
PR

XX (AFY-) AFFYMETRIX INC.
 XX
 XX Miltmann MP;
 XX
 XX WPI, 2003-567953/53.
 XX
 XX New array of nucleic acid probes, useful for in situ hybridization, in
 PT Southern, Northern or dot-blot hybridization to identify or detect the
 PT sequence or specific mutations of any gene.
 XX
 XX Claim 1, SEQ ID NO 58161, 9pp; English.
 XX
 XX The invention discloses a microarray comprising a plurality of nucleic
 CC acid probes including one of 2,018,500 fully defined sequences, or its
 CC perfect match, perfect mismatch, antisense match or antisense mismatch.
 CC Also disclosed is a method of gene expression analysis. The array is used
 CC in monitoring gene expression levels by hybridisation to a DNA library,
 CC in analysis of genetic variation or in hybridisation of tag-labelled
 CC compounds. The nucleic acid probes are specifically designed for analysis
 CC of at least one target sequence. The method of analysis comprises
 CC hybridising at least one or more nucleic acids to at least two or more
 CC nucleic acid probes and detecting the hybridisation. The nucleic acid
 CC probes are attached to a solid support. The analysis comprises monitoring
 CC gene expression levels, identifying allelic markers or polymorphisms,
 CC or family members of a gene and a cross-species comparison. Each of the
 CC nucleic acids further comprises a tag sequence. The array of nucleic acid
 CC probes is useful in in situ hybridisation, in Southern, Northern or dot-
 CC blot hybridisation to identify or detect the sequence or specific
 CC mutations of any gene, in mapping the 5' termini of mRNA molecules by
 CC primer extensions or in screening cDNA or genomic libraries or subclones
 CC for additional subclones containing segments of DNA that have been
 CC isolated and previously sequenced. The sequence presented is one of the
 CC nucleic acid probes incorporated in the microarray. Note: The sequence
 CC data for this patent can also be obtained in electronic format directly
 CC from USPTO at seqdata.uspto.gov/sequence.html
 XX
 SQ Sequence 25 BP; 8 A; 6 C; 6 G; 5 T; 0 U; 0 Other;
 Query Match 65.7%; Score 13.8; DB 9; Length 25;
 Best Local Similarity 70.6%; Pred. No. 6.8e+03;
 Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
 QY 5 ACCGCGCAGGCGCUCCTT 21
 Db 25 ACCAGCCAGTGTCTT 9
 RESULT 9
 ADCA7044
 XX ADCA7044 standard; DNA; 29 BP.
 XX
 AC ADCA7044;
 XX
 DT 18-DEC-2003 (first entry)
 XX
 DE BEC1 potassium channel inhibitor related primer #SEQ ID 6.
 XX
 KW BEC1 potassium channel inhibitor; nootropic; neuroprotective;
 KW brain-specific eag-like channel 1; dementia; learning disability;
 KW inhibitor; PCR; primer; ss.
 XX
 OS Synthetic.
 XX
 PN WO2003066099-A1.
 XX
 PD 14-AUG-2003.
 XX
 PF 03-FEB-2003; 2003WO-JP001065.
 XX
 PR 05-FEB-2002; 2002JP-00028844.
 XX
 PA (YAMA) YAMANOUCHI PHARM CO LTD.

XX Kubota H, Suzuki T, Miura M, Nakai E, Yohiro K, Miyake A;
 PI Mochizuki S, Nakatou K;
 XX
 XX WPI, 2003-697418/56.
 XX
 XX Antidementia agents comprise new and known brain-specific eag-like
 PT channel 1 (BEC1) potassium channel inhibitors.
 XX
 PS Disclosure, Page 90; 95pp; Japanese.
 XX
 CC The invention relates to an antidementia agent that comprises a brain-
 CC specific eag-like channel 1 (BEC1) potassium channel inhibitor. Agents of
 CC the invention are used as BEC1 potassium channel inhibitors for creating
 CC and preventing dementia and learning disabilities. The current sequence
 CC represents the BEC1 potassium channel inhibitor related PCR primer
 CC sequence.
 XX
 SQ Sequence 29 BP; 3 A; 11 C; 9 G; 6 T; 0 U; 0 Other;
 Query Match 65.7%; Score 13.8; DB 10; Length 29;
 Best Local Similarity 70.6%; Pred. No. 6.9e+03;
 Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;
 QY 4 GACCTCCAGGCGCUCCT 20
 Db 8 GACCTCCGCTGTCTCT 24
 RESULT 10
 ADI35763
 XX ADI35763 standard; DNA; 29 BP.
 XX
 AC ADI35763;
 XX
 DT 22-APR-2004 (first entry)
 XX
 DE Human potassium channel protein BEC1 related PCR primer SEQ ID NO:6.
 XX
 KW transgenic animal; potassium channel; BEC1; nootropic; tranquilliser;
 KW dementia; memory loss; anxiety; learning ability; human; PCR; ss; primer.
 OS Homo sapiens.
 OS Synthetic.
 PN WO2003041496-A1.
 XX
 PD 22-MAY-2003.
 XX
 PF 13-NOV-2002; 2002WO-JP011843.
 XX
 PR 14-NOV-2001; 2001JP-00349288.
 XX
 XX (YAMA) YAMANOUCHI PHARM CO LTD.
 PA
 XX Miyake A, Nakamura Y, Ni J, Mochizuki S;
 PI WPI, 2003-457459/43.
 XX
 DR Transgenic animal overexpressing potassium channel protein BEC1 for
 PT screening potential treatments for dementia and anxiety.
 XX
 PS Example 1, SEQ ID NO 6; 56pp; Japanese.
 XX
 CC The present invention describes a transgenic animal transformed by a
 CC promoter together with a polynucleotide encoding potassium channel
 CC protein BEC1 or encoding a protein derived from BEC1 by addition,
 CC deletion and/or substitution of up to ten amino acid residues and at
 CC least 90% homologous to it. Also described: (1) screening (M1) for
 CC substances for the treatment of dementia, memory loss and anxiety using
 CC the transgenic animal as a disease model, and (2) the preparation (M2) of
 CC drug compositions containing as active components substances identified
 CC by (M1). BEC1 has nootropic and tranquilliser activities. The transgenic

CC animal is useful as a disease model for in vivo screening of substances
CC for the treatment and prevention of dementia, memory loss, and anxiety
CC and for improving memory and learning ability. The present sequence
CC represents a PCR primer for the human potassium channel BECL,
CC which is used in an example from the present invention.

XX Sequence 29 BP; 3 A; 11 C; 9 G; 6 T; 0 U; 0 Other;

Query Match 65.7%; Score 13.8; DB 10; Length 29;
Best Local Similarity 70.6%; Pred. No. 6.9e+03;
Matches 12; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 4 GACCCGCGAGGCGCTT 20
| | | | | : | | | | |
Db 8 GACCTGCGCGTCTCT 24

RESULT 11

ID ABK67185/c
ABK67185 standard; DNA; 26 BP.

XX ABK67185;

DT 02-JUL-2002 (first entry)

DE Human gene specific PCR primer #1273.

KW Primer; ss; DNA microarray; differential expression analysis; human.

OS Homo sapiens.

PN US6352829-B1.

PD 05-MAR-2002.

PF 05-JAN-1999; 99US-00225928.

PR 21-MAY-1997; 97US-00859998.

PA (CLON-) CLONTECH LAB INC.

PI Chenchik A, Jokhadze G, Bibilashvili R;

DR WPI; 2002-314699/35.

PT Producing sub-population of labeled nucleic acids, useful for analyzing
PT differences in RNA profiles between several different physiological
PT sources, using set of distinct gene specific primers.

PS Example 3; SEQ ID NO 1273; 11pp; English.

XX The invention relates to producing a sub-population of labeled nucleic
CC acids (NAs) comprising contacting a NA sample from a physiological
CC source, with a pool of 50 distinct gene specific primers under suitable
CC conditions to enzymatically generate sub-population of NAs, where each
CC gene specific primer has a sequence complementary to a distinct mRNA, and
CC each labeled NA is generated using a single gene specific primer. The
CC method is useful for producing a sub-population of labeled NAs which is
CC useful for analysing the differences in the RNA profiles between several
CC different physiological sources, where the method comprises producing
CC subpopulation of labeled NAs for the different physiological sources,
CC comprising the populations for each physiological source to identify
CC differences in the population, where the comparison is preferably
CC performed by hybridising the labeled NAs for each of the distinct
CC physiological sources to an array of probe NAs stably associated with the
CC surface of a substrate to produce a hybridisation pattern for each of the
CC sources, and comparing the patterns for each of the sources, where
CC differential gene expression assays are utilised in differential
CC expression analysis of diseased a normal tissue e.g. neoplastic a normal
CC tissue, or different tissue or subissue types. The present sequence is a
CC human gene specific PCR primer used in the method of the invention. Note:
CC The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from USPTO

CC at <http://wipo.segdata.uspto.gov/sequence.html?DocID=6352829B1>

XX Sequence 26 BP; 11 A; 7 C; 7 G; 1 T; 0 U; 0 Other;

XX Query Match 64.8%; Score 13.6; DB 6; Length 26;
Best Local Similarity 55.0%; Pred. No. 8.5e+03;
Matches 11; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 UGAGCCGCGAGGCGCTT 20
| | | | | : | | | | |
Db 20 TTGCGCTTGCCTGCTCTT 1

RESULT 12

ID ABK67238
ABK67238 standard; DNA; 26 BP.

XX ABK67238;

DT 02-JUL-2002 (first entry)

DE Human gene specific PCR primer #1326.

KW Primer; ss; DNA microarray; differential expression analysis; human.

OS Homo sapiens.

PN US6352829-B1.

PD 05-MAR-2002.

PF 05-JAN-1999; 99US-00225928.

PR 21-MAY-1997; 97US-00859998.

PA (CLON-) CLONTECH LAB INC.

PI Chenchik A, Jokhadze G, Bibilashvili R;

DR WPI; 2002-314699/35.

PT Producing sub-population of labeled nucleic acids, useful for analyzing
PT differences in RNA profiles between several different physiological
PT sources, using set of distinct gene specific primers.

PS Example 3; SEQ ID NO 1326; 11pp; English.

XX The invention relates to producing a sub-population of labeled nucleic
CC acids (NAs) comprising contacting a NA sample from a physiological
CC source, with a pool of 50 distinct gene specific primers under suitable
CC conditions to enzymatically generate sub-population of NAs, where each
CC gene specific primer has a sequence complementary to a distinct mRNA, and
CC each labeled NA is generated using a single gene specific primer. The
CC method is useful for producing a sub-population of labeled NAs which is
CC useful for analysing the differences in the RNA profiles between several
CC different physiological sources, where the method comprises producing
CC subpopulation of labeled NAs for the different physiological sources,
CC comprising the populations for each physiological source to identify
CC differences in the population, where the comparison is preferably
CC performed by hybridising the labeled NAs for each of the distinct
CC physiological sources to an array of probe NAs stably associated with the
CC surface of a substrate to produce a hybridisation pattern for each of the
CC sources, and comparing the patterns for each of the sources, where
CC differential gene expression assays are utilised in differential
CC expression analysis of diseased a normal tissue e.g. neoplastic a normal
CC tissue, or different tissue or subissue types. The present sequence is a
CC human gene specific PCR primer used in the method of the invention. Note:
CC The sequence data for this patent did not form part of the printed
CC specification, but was obtained in electronic format directly from USPTO
XX at <http://wipo.segdata.uspto.gov/sequence.html?DocID=6352829B1>

Query Match 64.8%; Score 13.6; DB 6; Length 26;
 Best Local Similarity 65.0%; Pred. No. 8.5e+03;
 Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 AGGACCGCAGGUCUCUTT 21
 |||||:||||:|:
 DB 4 AGGACCTTCCAGTCTTACTT 23

RESULT 13

AAD51147
 ID AAD51147 standard; DNA; 28 BP.
 AC AAD51147;
 XX
 DT 02-APR-2003 (first entry)
 XX
 DE Adapter DNA #2 used to illustrate the method of the invention.
 XX
 KM Genetic analysis; allelic analysis; ss.
 XX
 OS Unidentified.

Key Location/Qualifiers
 FH modified_base 4 /*tag= a
 FT /mod_base= OTHER
 FT /note= "8-oxo-dG"
 XX

MO200279496-A2.
 XX
 PD 10-OCT-2002.

PF 27-MAR-2002; 2002WO-US009928.
 XX
 PR 28-MAR-2001; 2001US-00821694.
 XX

XX (MIND-) APPLIED MINDS INC.
 PA

PI H1111s WD;
 XX

XX WPI; 2003-046825/04.
 DR

XX
 PT Obtaining information on target nucleic acid analyte, by hybridizing
 PT target with oligonucleotide probes complementary, or complementary except
 PT at position of interest to target and analyzing probe hybridization.

XX Example 1; Page 39; 66pp; English.
 PS

XX The invention relates to a method of obtaining information on a target
 CC nucleic acid analyte containing a target segment. The method involves
 CC hybridizing target nucleic acid analyte with at least two oligonucleotide
 CC probes, where each probe comprises a sequence fully complementary, or
 CC complementary except at a position of interest or variable position, to
 CC the target nucleic acid analyte and analyzing whether all, some or none
 CC of the probes hybridize. The method is useful for sequencing and for
 CC obtaining information on a number of target nucleic acid sequence
 CC segments, where information comprises the determination of a nucleotide
 CC at a position of interest. It is also useful for genetic or allelic
 CC analysis of genomic DNA or cDNA. The present sequence is an adapter DNA,
 CC used to illustrate the method of the invention
 XX

XX Sequence 28 BP; 4 A; 7 C; 8 G; 6 T; 0 U; 3 Other;

Query Match 64.8%; Score 13.6; DB 10; Length 28;
 Best Local Similarity 65.0%; Pred. No. 8.6e+03;
 Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

QY 2 AGGACCGCAGGUCUCUTT 21
 | |||:|||||:|:
 DB 5 ACAGCTGCCAGTCCGCTTT 24

RESULT 14
 AAT32267
 ID AAT32267 standard; DNA; 25 BP.
 XX

AC AAT32267;
 XX

DT 07-JAN-1997 (first entry)
 XX

DE Probe for the detection of lesions associated with neoplastic cells.
 XX

KM Probe; detection; lesion; neoplasia; neoplastic cells; cancer; prognosis;
 KM therapy; tumour cell; tumour; homozygous loss; ss.
 XX

XX Synthetic.
 OS

PN WO9619589-A1.
 PN

PD 27-JUN-1996.
 XX

PF 20-DEC-1995; 95WO-US016766.
 XX

PR 20-DEC-1994; 94US-00360096.
 XX

PA (COLD-) COLD SPRING HARBOR LAB.
 PA

PI Wiegler M, Lisitsyn N;
 PI

DR WPI; 1996-309603/31.
 DR

PT Nucleic acid sequence probes - are used for the detection of lesions
 PT associated with neoplastic cells.
 XX

PS Claim 1; Page 23; 31pp; English.
 XX

CC The nucleic acid sequence probes described in AAT32244-78 are used for
 CC the detection of lesions associated with neoplastic cells. The sequences
 CC can be used for identifying the locus associated with the lesion, for
 CC determining cancer susceptibility of cells, as well as categorising and
 CC characterising tumour cells for prognosis and therapy. Two probes
 CC (AAT32267, AAT32268) were used to detect homozygous loss in tumour cell
 CC lines at chromosome location 18
 XX

SQ Sequence 25 BP; 5 A; 5 C; 8 G; 7 T; 0 U; 0 Other;

Query Match 63.8%; Score 13.4; DB 2; Length 25;
 Best Local Similarity 73.3%; Pred. No. 1.1e+04;
 Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

QY 1 UAGGACCGCAGGUC 15
 :|||:|:||||:|:
 DB 3 TAGGACTGCCAGTG 17

RESULT 15

AAT71677
 ID AAT71677 standard; DNA; 25 BP.
 XX

AC AAT71677;
 AC

DT 04-FEB-1998 (first entry)
 DT

DE Cancer detection probe VAKO441-9 PCR 5' primer.
 DE

KM PCR primer; VAKO441-9; detection; neoplastic; lesion; tumour; RDA;
 KM homozygous loss; representational difference analysis; probe; ss.
 XX

OS Synthetic.
 OS

PN Homo sapiens.
 PN

PD WO9722721-A2.
 PD

XX 26-JUN-1997.
 XX

PF 20-DEC-1996; 96WO-US020631.
 XX
 PR 21-DEC-1995; 95US-00576202.
 XX
 PA (COLD-) COLD SPRING HARBOR LAB.
 XX
 PI Wigler M, Lisitsyn N;
 XX
 DR WPI; 1997-341709/31.
 XX
 PT New cancer detection probes - useful for detecting genomic lesions
 PT associated with neoplasia in human cells, e.g. for detection, prognosis
 PT and therapy of cancer.
 PS
 PS Claim 10; Page 23; 32pp; English.
 XX
 XX This primer is used to amplify a PCR product of 244 bp used as a probe in
 CC a standard PCR panel for determination of a lesion associated with
 CC neoplasia in human cells. In particular, this probe identifies a
 CC homozygous loss in tumour cell line at chromosome location 18. The DNA
 CC can be obtained by standard representational difference analysis (RDA).
 CC RDA was performed using Bgl II restriction endonuclease on tumour DNA
 CC (driver) and matched with normal DNA (tester). Pure tumour DNAs of the
 CC RDA difference products were cloned into plasmids. Selected plasmid
 CC inserts were analysed by Southern blot hybridisation. Oligonucleotides
 CC synthesised from selected plasmid insert sequences were used to screen a
 CC standard PCR panel of DNAs from tumour cell lines and a control DNA.
 CC Probes were subsequently mapped to human chromosomes by PCR using an
 CC existing panel of human rodent somatic cell hybrids. The DNA can be used
 CC for detecting genomic lesions associated with cancer and for prognosis
 CC and therapy. The DNA sequences can also be used to obtain other suitable
 CC probes by walking genomic DNA to obtain a secondary probe, and repeating
 CC the walking to obtain successive probes which are screened with normal
 CC and tumour cells
 XX
 SQ Sequence 25 BP; 5 A; 5 C; 8 G; 7 T; 0 U; 0 Other;
 Query Match 63.8%; Score 13.4; DB 2; Length 25;
 Best Local Similarity 73.3%; Pred. No. 1.1e+04;
 Matches 11; Conservative 3; Mismatches 1; Indels 0; Gaps 0;
 QY 1 UAGGACCTGGCCAGUG 15
 : ||||| : ||||| :
 Db 3 TAGGAAGTGCAGATG 17

Search completed: September 30, 2005, 09:14:08
 Job time : 421 secs

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OM nucleic - nucleic search, using bw model

Run on: September 30, 2005, 09:06:54 ; Search time 123 Seconds
(without alignments)
279.364 Million cell updates/sec

Title: US-10-738-413-1

Perfect score: 21
Sequence: 1 usgacugccagucucucut 21

Scoring table: IDENTITY NUC
Gapop 10.0, Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 569154

Minimum DB seq length: 21
Maximum DB seq length: 30

Post-Processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued Patents NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	15.8	75.2	25	4	US-09-396-196G-107545, Sequence 107545, A
2	14.8	70.5	25	4	US-09-396-196G-40269, Sequence 40269, A
3	14.8	70.5	25	4	US-09-396-196G-55195, Sequence 55195, A
4	14.8	70.5	25	4	US-09-396-196G-55196, Sequence 55196, A
5	14.4	68.6	25	4	US-09-396-196G-48277, Sequence 48277, A
6	14.4	68.6	25	4	US-09-396-196G-107546, Sequence 107546, A
7	14	66.7	25	4	US-09-396-196G-48278, Sequence 48278, A
8	14	66.7	25	4	US-09-396-196G-52121, Sequence 52121, A
9	14	66.7	25	4	US-09-396-196G-52122, Sequence 52122, A
10	13.6	64.8	26	2	US-08-859-998-1273, Sequence 1273, Ap
11	13.6	64.8	26	2	US-08-859-998-1273, Sequence 1273, Ap
12	13.6	64.8	26	3	US-09-225-928-1273, Sequence 1273, Ap
13	13.6	64.8	26	3	US-09-225-928-1326, Sequence 1326, Ap
14	13.6	64.8	26	4	US-09-225-201B-1273, Sequence 1273, Ap
15	13.6	64.8	26	4	US-09-225-201B-1326, Sequence 1326, Ap
16	13.4	63.8	23	1	US-08-373-737A-12, Sequence 12, Ap
17	13.4	63.8	23	1	US-08-360-096-15, Sequence 15, Ap
18	13.4	63.8	25	3	US-08-576-202-24, Sequence 24, Ap
19	13.4	63.8	25	4	US-09-396-196G-48276, Sequence 48276, A
20	13.4	63.8	25	4	US-09-396-196G-113766, Sequence 113766, A
21	13.4	63.8	25	4	US-09-396-196G-113766, Sequence 113766, A
22	13.4	63.8	25	5	PCR-US95-16766-24, Sequence 24, Ap
23	13.2	62.9	25	4	US-09-396-196G-18422, Sequence 18422, A
24	13.2	62.9	25	4	US-09-396-196G-18423, Sequence 18423, A
25	13.2	62.9	25	4	US-09-396-196G-66672, Sequence 66672, A
26	13.2	62.9	25	4	US-09-396-196G-66673, Sequence 66673, A
27	13.2	62.9	25	4	US-09-396-196G-66674, Sequence 66674, A

28	13.2	62.9	25	4	US-09-396-196G-122627, Sequence 122627, A
29	13	61.9	25	4	US-09-396-196G-107084, Sequence 107084, A
30	12.8	61.0	25	4	US-09-396-196G-5116, Sequence 5116, Ap
31	12.8	61.0	25	4	US-09-396-196G-62374, Sequence 62374, A
32	12.8	61.0	25	4	US-09-396-196G-68909, Sequence 68909, A
33	12.8	61.0	25	4	US-09-396-196G-81723, Sequence 81723, A
34	12.8	61.0	25	4	US-09-396-196G-107544, Sequence 107544, A
35	12.6	60.0	25	4	US-09-396-196G-14106, Sequence 14106, A
36	12.6	60.0	25	4	US-09-396-196G-64352, Sequence 64352, A
37	12.6	60.0	25	4	US-09-396-196G-64353, Sequence 64353, A
38	12.6	60.0	25	4	US-09-396-196G-91219, Sequence 91219, A
39	12.6	60.0	25	4	US-09-396-196G-91220, Sequence 91220, A
40	12.6	60.0	25	4	US-09-396-196G-93099, Sequence 93099, A
41	12.6	60.0	25	4	US-09-396-196G-113638, Sequence 113638, A
42	12.6	60.0	25	4	US-09-396-196G-113639, Sequence 113639, A
43	12.6	60.0	30	2	US-08-859-998-1260, Sequence 1260, Ap
44	12.6	60.0	30	3	US-09-225-928-1260, Sequence 1260, Ap
45	12.6	60.0	30	4	US-09-225-201B-1260, Sequence 1260, Ap

ALIGNMENTS

```
RESULT 1
US-09-396-196G-107545
; Sequence 107545, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affimetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107545
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-09-396-196G-107545

Query Match      75.2%; Score 15.8; DB 4; Length 25;
Best Local Similarity 68.4%; Pred. No. 1.9e+02;
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY      2  AGAGCUGCCAGUCUCUT 20
Db      1  AAGAGCTGCCAGTCTCTT 19

RESULT 2
US-09-396-196G-40269
; Sequence 40269, Application US/09396196G
; Patent No. 6821724
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affimetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196G
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40269
```

LENGTH: 25
TYPE: DNA
ORGANISM: Mus musculus
US-09-396-196G-40269

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 1 UAGACCCGCGAGUCGUC 18
:|||||:|||||:|
DB 2 TAGGAAGTCCAGTGTTC 19

RESULT 3
US-09-396-196G-55195
Sequence 55195, Application US/09396196G

Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Miltmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 55195
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-55195

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 4 GACCGCCAGUCUCUTT 21
|||:|||||:|
DB 7 GAGTGCCTGTCTCTTT 24

RESULT 4
US-09-396-196G-55196
Sequence 55196, Application US/09396196G

Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Miltmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 55196
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-55196

Query Match 70.5%; Score 14.8; DB 4; Length 25;
Best Local Similarity 66.7%; Pred. No. 5.9e+02;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

QY 4 GACCGCCAGUCUCUTT 21
|||:|||||:|
DB 1 GAGTGCCTGTCTCTTT 18

RESULT 5
US-09-396-196G-48277
Sequence 48277, Application US/09396196G

Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Miltmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 48277
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-48277

Query Match 68.6%; Score 14.4; DB 4; Length 25;
Best Local Similarity 68.8%; Pred. No. 9.2e+02;
Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 5 ACCUGCCAGUCUCUTT 20
|||:|||||:|
DB 2 AACTGCCAGTGTCTTT 17

RESULT 6
US-09-396-196G-107546
Sequence 107546, Application US/09396196G

Patent No. 6821724
GENERAL INFORMATION:
APPLICANT: Michael Miltmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 107546
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-09-396-196G-107546

Query Match 68.6%; Score 14.4; DB 4; Length 25;
Best Local Similarity 68.8%; Pred. No. 9.2e+02;
Matches 11; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

QY 5 ACCUGCCAGUCUCUTT 20
|||:|||||:|
DB 1 AGCTGCCAGTGTCTTT 16

RESULT 7
US-09-396-196G-48278
Sequence 48278, Application US/09396196G

Patent No. 6821724

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/ GENERAL INFORMATION:
/ APPLICANT: Michael Miltmann
/ APPLICANT: David Mack
/ APPLICANT: David Lockhart
/ APPLICANT: Affymetrix, Inc.
/ TITLE OF INVENTION: Methods of Genetic Analysis
/ FILE REFERENCE: 3101.1
/ CURRENT APPLICATION NUMBER: US/09/396,196G
/ CURRENT FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: 60/100,678
/ PRIOR FILING DATE: 1998-09-17
/ NUMBER OF SEQ ID NOS: 127806
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 48278
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: mus musculus
US-09-396-196G-48278
```

```
Query Match      66.7%; Score 14; DB 4; Length 25;
Best Local Similarity 71.4%; Pred. No. 1.4e+03;
Matches 10; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      7 CUGCCAGUGCUCCT 20
      |||||:|:|:|
Db      1 CTGCCAGTGTCTT 14
```

```
RESULT 8
US-09-396-196G-52121/C
/ Sequence 52121, Application US/09396196G
/ Patent No. 6821724
/ GENERAL INFORMATION:
/ APPLICANT: Michael Miltmann
/ APPLICANT: David Mack
/ APPLICANT: David Lockhart
/ APPLICANT: Affymetrix, Inc.
/ TITLE OF INVENTION: Methods of Genetic Analysis
/ FILE REFERENCE: 3101.1
/ CURRENT APPLICATION NUMBER: US/09/396,196G
/ CURRENT FILING DATE: 1999-09-15
/ PRIOR APPLICATION NUMBER: 60/100,678
/ PRIOR FILING DATE: 1998-09-17
/ NUMBER OF SEQ ID NOS: 127806
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 52121
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: mus musculus
US-09-396-196G-52121
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```
Query Match      66.7%; Score 14; DB 4; Length 25;
Best Local Similarity 71.4%; Pred. No. 1.4e+03;
Matches 10; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      7 CUGCCAGUGCUCCT 20
      |||||:|:|:|
Db      21 CTGCCAGTGTCTT 8
```

```
RESULT 9
US-09-396-196G-52122/C
/ Sequence 52122, Application US/09396196G
/ Patent No. 6821724
/ GENERAL INFORMATION:
/ APPLICANT: Michael Miltmann
/ APPLICANT: David Mack
/ APPLICANT: David Lockhart
/ APPLICANT: Affymetrix, Inc.
/ TITLE OF INVENTION: Methods of Genetic Analysis
/ FILE REFERENCE: 3101.1
/ CURRENT APPLICATION NUMBER: US/09/396,196G
/ CURRENT FILING DATE: 1999-09-15
```

```
/ PRIOR APPLICATION NUMBER: 60/100,678
/ PRIOR FILING DATE: 1998-09-17
/ NUMBER OF SEQ ID NOS: 127806
/ SOFTWARE: FastSeq for Windows Version 4.0
/ SEQ ID NO 52122
/ LENGTH: 25
/ TYPE: DNA
/ ORGANISM: mus musculus
US-09-396-196G-52122
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```
Query Match      66.7%; Score 14; DB 4; Length 25;
Best Local Similarity 71.4%; Pred. No. 1.4e+03;
Matches 10; Conservative 4; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      7 CUGCCAGUGCUCCT 20
      |||||:|:|:|
Db      18 CTGCCAGTGTCTT 5
```

```
RESULT 10
US-08-859-998-1273/C
/ Sequence 1273, Application US/08859998
/ Patent No. 5994076
/ GENERAL INFORMATION:
/ APPLICANT: Chenchik, Alex
/ APPLICANT: Johhadze, George
/ APPLICANT: Bibilashvili, Robert
/ TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
/ NUMBER OF SEQUENCES: 1375
/ CORRESPONDENCE ADDRESS:
/ ADDRESSEE: Fish & Richardson, P.C.
/ STREET: 2200 Sand Hill Road, Suite 100
/ CITY: Menlo Park
/ STATE: CA
/ COUNTRY: US
/ ZIP: 94025
/ COMPUTER READABLE FORM:
/ MEDIUM TYPE: Diskette
/ OPERATING SYSTEM: IBM compatible
/ SOFTWARE: FastSeq for Windows Version 2.0
/ CURRENT APPLICATION DATA:
/ APPLICATION NUMBER: US/08/859,998
/ FILING DATE: 21-MAY-1997
/ CLASSIFICATION: 435
/ PRIOR APPLICATION DATA:
/ APPLICATION NUMBER:
/ FILING DATE:
/ ATTORNEY/AGENT INFORMATION:
/ NAME: Field, Bret E.
/ REGISTRATION NUMBER: 37,620
/ REFERENCE/DOCKET NUMBER: 09096/002001
/ TELECOMMUNICATION INFORMATION:
/ TELEPHONE: 415-322-5070
/ TELEFAX: 415-854-0875
/ INFORMATION FOR SEQ ID NO: 1273:
/ SEQUENCE CHARACTERISTICS:
/ LENGTH: 26 base pairs
/ TYPE: nucleic acid
/ STRANDEDNESS: single
/ TOPOLOGY: linear
/ MOLECULE TYPE: DNA
/ FEATURE:
/ OTHER INFORMATION: oligonucleotide primer
US-08-859-998-1273
```

```
Query Match      64.8%; Score 13.6; DB 2; Length 26;
Best Local Similarity 55.0%; Pred. No. 2.3e+03;
Matches 11; Conservative 5; Mismatches 4; Indels 0; Gaps 0;
```

```
QY      1 UAGACCCGCGAGUCUCCT 20
      :|||:|:|:|:|:|:|
```

Db 20 TTGGCCTTGCCGGTCTCTT 1

RESULT 11
US-08-859-998-1326
Sequence 1326, Application US/0885998
Patent No. 5994076

GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Jekhadze, George
APPLICANT: Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
TELEFAX: 415-854-0875

INFORMATION FOR SEQ ID NO: 1326:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
OTHER INFORMATION: oligonucleotide primer
US-08-859-998-1326

Query Match 64.8%; Score 13.6; DB 2; Length 26;
Best Local Similarity 65.0%; Pred. No. 2.3e+03;
Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 2 AGGACCTGCGAGUCUCUTT 21
|||||:||||:|
Db 4 AGGACCTGCGAGTCTCTT 23

RESULT 12
US-09-225-928-1273/C
Sequence 1273, Application US/09225928
Patent No. 6352829

GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Jekhadze, George
APPLICANT: Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

Db 20 TTGGCCTTGCCGGTCTCTT 1

RESULT 13
US-09-225-928-1273
Sequence 1326, Application US/09225928
Patent No. 6352829

GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Jekhadze, George
APPLICANT: Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

Qy 1 UAGGACCTGCGAGUCUCUTT 20
:||||:||||:|
Db 20 TTGGCCTTGCCGGTCTCTT 1

Query Match 64.8%; Score 13.6; DB 3; Length 26;
Best Local Similarity 55.0%; Pred. No. 2.3e+03;
Matches 11; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

US-09-225-928-1273
SEQUENCE DESCRIPTION: SEQ ID NO: 1273:

FEATURE:
MOLECULE TYPE: DNA
OTHER INFORMATION: oligonucleotide primer
US-09-225-928-1273

Db 20 TTGGCCTTGCCGGTCTCTT 1

RESULT 13
US-09-225-928-1273
Sequence 1326, Application US/09225928
Patent No. 6352829

GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
APPLICANT: Jekhadze, George
APPLICANT: Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,928
FILING DATE: 05-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 1326:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
OTHER INFORMATION: oligonucleotide primer
SEQUENCE DESCRIPTION: SEQ ID NO: 1326:
US-09-225-928-1326

Query Match 64.8%; Score 13.6; DB 3; Length 26;
Best Local Similarity 65.0%; Pred. No. 2.3e+03;
Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 2 AGAGCCGCGAGGCGCCTT 21
|||||:||||:|
Db 4 AGGACCTTCAGTCTACTT 23

RESULT 14
US-09-225-201B-1273/C
Sequence 1273, Application US/09225201B
Patent No. 6489455
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,201B
FILING DATE: 05-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 1273:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

MOLECULE TYPE: DNA
FEATURE:
OTHER INFORMATION: oligonucleotide primer
SEQUENCE DESCRIPTION: SEQ ID NO: 1273:
US-09-225-201B-1273

Query Match 64.8%; Score 13.6; DB 4; Length 26;
Best Local Similarity 55.0%; Pred. No. 2.3e+03;
Matches 11; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

Qy 1 UAGAGCCGCGAGGCGCCTT 20
:|||||:||||:|
Db 20 TTGACCTTGGCGTCTCTT 1

RESULT 15
US-09-225-201B-1326
Sequence 1326, Application US/09225201B
Patent No. 6489455
GENERAL INFORMATION:
APPLICANT: Chenchik, Alex
Jokhadze, George
Bibilashvili, Robert
TITLE OF INVENTION: METHOD OF ASSAYING DIFFERENTIAL
EXPRESSION
NUMBER OF SEQUENCES: 1375
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 2200 Sand Hill Road, Suite 100
CITY: Menlo Park
STATE: CA
COUNTRY: US
ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/225,201B
FILING DATE: 05-Jan-1999
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/859,998
FILING DATE: 21-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Field, Bret E.
REGISTRATION NUMBER: 37,620
REFERENCE/DOCKET NUMBER: 09096/002001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-322-5070
TELEFAX: 415-854-0875
INFORMATION FOR SEQ ID NO: 1326:
SEQUENCE CHARACTERISTICS:
LENGTH: 26 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA
FEATURE:
OTHER INFORMATION: oligonucleotide primer
SEQUENCE DESCRIPTION: SEQ ID NO: 1326:
US-09-225-201B-1326

Query Match 64.8%; Score 13.6; DB 4; Length 26;
Best Local Similarity 65.0%; Pred. No. 2.3e+03;
Matches 13; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 2 AGAGCCGCGAGGCGCCTT 21
|||||:||||:|
Db 4 AGGACCTTCAGTCTACTT 23

Fri Sep 30 14:33:41 2005

us-10-738-413-1.sz21-30.rni

Page 6

Search completed: September 30, 2005, 11:06:11
Job time : 124 secs

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OM nucleic - nucleic search, using bw model

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(without alignments)
40.446 Million cell updates/sec

Title: US-10-738-413-1

Perfect score: 21
Sequence: 1 usgaccgucagucucuc 21

Scoring table: IDENTITY_NUC
Gapop 10.0, Gapext 1.0

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Total number of hits satisfying chosen parameters: 6109502

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Maximum DB seq length: 30

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

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Published Applications_NA:*

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26: /cgn2_6/prodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	21	100.0	21	US-10-738-413-1	Sequence 1, Appl1
2	15.8	75.2	25	US-10-809-189-107545	Sequence 107545,
3	15.2	72.4	25	US-10-719-900-424586	Sequence 424586,
4	14.8	70.5	25	US-10-809-189-40269	Sequence 40269, A
5	14.8	70.5	25	US-10-809-189-55195	Sequence 55195, A
6	14.8	70.5	25	US-10-809-189-55196	Sequence 55196, A
7	14.8	70.5	25	US-10-956-157-154607	Sequence 154607,

8	14.8	70.5	25	22	US-10-719-956-560046	Sequence 560046,
9	14.8	70.5 <td>25</td> <td>22</td> <td>US-10-719-956-560047</td> <td>Sequence 560047,</td>	25	22	US-10-719-956-560047	Sequence 560047,
10	14.6	69.5 <td>28</td> <td>17</td> <td>US-10-407-089-5</td> <td>Sequence 5, Appl1</td>	28	17	US-10-407-089-5	Sequence 5, Appl1
11	14.4	68.6 <td>25</td> <td>21</td> <td>US-10-719-900-355242</td> <td>Sequence 355242,</td>	25	21	US-10-719-900-355242	Sequence 355242,
12	14.4	68.6 <td>25</td> <td>21</td> <td>US-10-719-900-726466</td> <td>Sequence 726466,</td>	25	21	US-10-719-900-726466	Sequence 726466,
13	14.4	68.6 <td>25</td> <td>21</td> <td>US-10-719-900-867852</td> <td>Sequence 867852,</td>	25	21	US-10-719-900-867852	Sequence 867852,
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15	14.4	68.6 <td>25</td> <td>21</td> <td>US-10-809-189-48277</td> <td>Sequence 48277, A</td>	25	21	US-10-809-189-48277	Sequence 48277, A
16	14.4	68.6 <td>25</td> <td>21</td> <td>US-10-809-189-107546</td> <td>Sequence 107546,</td>	25	21	US-10-809-189-107546	Sequence 107546,
17	14.4	68.6 <td>25</td> <td>22</td> <td>US-10-719-956-124951</td> <td>Sequence 124951,</td>	25	22	US-10-719-956-124951	Sequence 124951,
18	14.4	68.6 <td>25</td> <td>22</td> <td>US-10-719-956-473343</td> <td>Sequence 473343,</td>	25	22	US-10-719-956-473343	Sequence 473343,
19	14.4	68.6 <td>25</td> <td>15</td> <td>US-10-098-2638-63689</td> <td>Sequence 63689, A</td>	25	15	US-10-098-2638-63689	Sequence 63689, A
20	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-55943</td> <td>Sequence 55943, A</td>	25	21	US-10-719-900-55943	Sequence 55943, A
21	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-145845</td> <td>Sequence 145845,</td>	25	21	US-10-719-900-145845	Sequence 145845,
22	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-436263</td> <td>Sequence 436263,</td>	25	21	US-10-719-900-436263	Sequence 436263,
23	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-477557</td> <td>Sequence 477557,</td>	25	21	US-10-719-900-477557	Sequence 477557,
24	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-485539</td> <td>Sequence 485539,</td>	25	21	US-10-719-900-485539	Sequence 485539,
25	14.2	67.6 <td>25</td> <td>21</td> <td>US-10-719-900-787669</td> <td>Sequence 787669,</td>	25	21	US-10-719-900-787669	Sequence 787669,
26	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-44564</td> <td>Sequence 44564, A</td>	25	22	US-10-719-956-44564	Sequence 44564, A
27	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-139996</td> <td>Sequence 139996,</td>	25	22	US-10-719-956-139996	Sequence 139996,
28	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-152482</td> <td>Sequence 152482,</td>	25	22	US-10-719-956-152482	Sequence 152482,
29	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156015</td> <td>Sequence 156015,</td>	25	22	US-10-719-956-156015	Sequence 156015,
30	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
31	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
32	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
33	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
34	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
35	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
36	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
37	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
38	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
39	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
40	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
41	14.2	67.6 <td>25</td> <td>22</td> <td>US-10-719-956-156350</td> <td>Sequence 156350,</td>	25	22	US-10-719-956-156350	Sequence 156350,
42	13.8	65.7 <td>25</td> <td>15</td> <td>US-10-098-2638-58161</td> <td>Sequence 58161, A</td>	25	15	US-10-098-2638-58161	Sequence 58161, A
43	13.8	65.7 <td>25</td> <td>15</td> <td>US-10-098-2638-121918</td> <td>Sequence 121918,</td>	25	15	US-10-098-2638-121918	Sequence 121918,
44	13.8	65.7 <td>25</td> <td>21</td> <td>US-10-719-900-58044</td> <td>Sequence 58044, A</td>	25	21	US-10-719-900-58044	Sequence 58044, A
45	13.8	65.7 <td>25</td> <td>21</td> <td>US-10-719-900-118070</td> <td>Sequence 118070,</td>	25	21	US-10-719-900-118070	Sequence 118070,

ALIGNMENTS

RESULT 1

US-10-738-413-1

Sequence 1, Application US/10738413

Publication No. US20050137151A1

GENERAL INFORMATION:

APPLICANT: BINETTI, RALPH R.

TITLE OF INVENTION: SI-RNA-MEDIATED GENE SILENCING TECHNOLOGY TO INHIBIT

TITLE OF INVENTION: TYROSINASE AND REDUCE PIGMENTATION

FILE REFERENCE: SC66U-US

CURRENT APPLICATION NUMBER: US/10/738,413

NUMBER OF SEQ ID NOS: 6

SOFTWARE: PatentIn Ver. 3.2

SEQ ID NO 1

LENGTH: 21

TYPE: DNA

ORGANISM: Artificial Sequence

FEATURE:

OTHER INFORMATION: Description of Combined DNA/RNA Molecule: Synthetic

OTHER INFORMATION: oligonucleotide

OTHER INFORMATION: Description of Artificial Sequence: Synthetic

OTHER INFORMATION: oligonucleotide

US-10-738-413-1

Query Match 100.0%; Score 21; DB 22; Length 21;
Best Local Similarity 100.0%; Pred. No. 1;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 UAGGACUCCAGUCGUCUTT 21
Db 1 UAGGACUCCAGUCGUCUTT 21

RESULT 2

US-10-809-189-107545
; Sequence 107545, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 107545
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-10-809-189-107545

Query Match 75.2%; Score 15.8; DB 21; Length 25;
Best Local Similarity 68.4%; Pred. No. 4.6e+02;
Matches 13; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 2 AGGACUCCAGUCGUCUTT 20
Db 1 AAGAGCTGCCAGTGTCTTT 19

RESULT 3

US-10-719-900-424586/C
; Sequence 424586, Application US/10719900
; Publication No. US20050026164A1
; GENERAL INFORMATION:
; APPLICANT: Xue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; FILE REFERENCE: 3528.1
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT FILING DATE: 2003-11-20
; PRIOR APPLICATION NUMBER: 60/427,808
; PRIOR FILING DATE: 2002-11-20
; NUMBER OF SEQ ID NOS: 982914
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 424586
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-719-900-424586

Query Match 72.4%; Score 15.2; DB 21; Length 25;
Best Local Similarity 60.0%; Pred. No. 9.4e+02;
Matches 12; Conservative 5; Mismatches 3; Indels 0; Gaps 0;

Qy 1 UAGGACUCCAGUCGUCUTT 20
Db 21 TTGGACCTCCAGTATCTT 2

RESULT 4
US-10-809-189-40269
; Sequence 40269, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:

; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 40269
; LENGTH: 25
; TYPE: DNA
; ORGANISM: Mus musculus
US-10-809-189-40269

Query Match 70.5%; Score 14.8; DB 21; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 1 UAGGACUCCAGUCGUC 18
Db 2 TAGGAAGTCCAGTGTTC 19

RESULT 5

US-10-809-189-55195
; Sequence 55195, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/10/809,189
; CURRENT FILING DATE: 2004-03-25
; PRIOR APPLICATION NUMBER: US/09/396,196
; PRIOR FILING DATE: 1999-09-15
; PRIOR APPLICATION NUMBER: 60/100,678
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55195
; LENGTH: 25
; TYPE: DNA
; ORGANISM: mus musculus
US-10-809-189-55195

Query Match 70.5%; Score 14.8; DB 21; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy 4 GAGCUGCCAGUCGUCUTT 21
Db 7 GAGCTGCCGTGTCTTT 24

RESULT 6

US-10-809-189-55196
; Sequence 55196, Application US/10809189
; Publication No. US20050048531A1
; GENERAL INFORMATION:
; APPLICANT: Michael Miltmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: Affymetrix, Inc.
; TITLE OF INVENTION: Methods of Genetic Analysis


```
FILE REFERENCE: 3101.1
CURRENT APPLICATION NUMBER: US/10/809,189
CURRENT FILING DATE: 2004-03-25
PRIOR APPLICATION NUMBER: US/09/396,196
PRIOR FILING DATE: 1999-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 55196
LENGTH: 25
TYPE: DNA
ORGANISM: mus musculus
US-10-809-189-55196
```

```
Query Match      70.5%; Score 14.8; DB 21; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      4 GACCCGCGAGGCGCCTT 21
      |||:||||:|:|:|:|:|
Db      1 GAGCTGCTGTGCTCTT 18
```

```
RESULT 7
US-10-956-157-154607
Sequence 154607, Application US/10956157
Publication No. US20050118625A1
GENERAL INFORMATION:
```

```
APPLICANT: Wyeth
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 154607
LENGTH: 25
TYPE: DNA
ORGANISM: Probe Sequence
US-10-956-157-154607
```

```
Query Match      70.5%; Score 14.8; DB 21; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      2 AGGACCGCGAGGCGCCTT 19
      |||:||||:|:|:|:|:|
Db      4 AGGATCTGACAGTCTCTT 21
```

```
RESULT 8
US-10-719-956-560046
Sequence 560046, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
```

```
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 560046
LENGTH: 25
TYPE: DNA
ORGANISM: Rattus norvegicus
US-10-719-956-560046
```

```
Query Match      70.5%; Score 14.8; DB 22; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 UAGACCGCGAGGCGCCTT 18
      :||||:|:|:|:|:|
Db      1 TAGGACCTGACATGCTCTC 18
```

```
RESULT 9
US-10-719-956-560047
Sequence 560047, Application US/10719956
Publication No. US20040146910A1
GENERAL INFORMATION:
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```
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 560047
LENGTH: 25
TYPE: DNA
ORGANISM: Rattus norvegicus
US-10-719-956-560047
```

```
Query Match      70.5%; Score 14.8; DB 22; Length 25;
Best Local Similarity 66.7%; Pred. No. 1.5e+03;
Matches 12; Conservative 4; Mismatches 2; Indels 0; Gaps 0;
```

```
QY      1 UAGACCGCGAGGCGCCTT 18
      :||||:|:|:|:|:|
Db      1 TAGGACCTGACATGCTCTC 18
```

```
RESULT 10
US-10-407-089-5
Sequence 5, Application US/10407089
Publication No. US20030224419A1
GENERAL INFORMATION:
```

```
APPLICANT: Corcoran, Kevin C.
TITLE OF INVENTION: System for Determining a Signature of a
FILE REFERENCE: 55525-8040-US00
CURRENT APPLICATION NUMBER: US/10/407,089
CURRENT FILING DATE: 2003-04-02
PRIOR APPLICATION NUMBER: US/09/654,187
PRIOR FILING DATE: 2000-09-01
PRIOR APPLICATION NUMBER: US 60/182,454
PRIOR FILING DATE: 2000-02-15
PRIOR APPLICATION NUMBER: PCT/US98/11224
PRIOR FILING DATE: 1998-05-22
PRIOR APPLICATION NUMBER: US 08/862,610
PRIOR FILING DATE: 1997-05-23
NUMBER OF SEQ ID NOS: 27
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 5
LENGTH: 28
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: encoded adaptor
FEATURE:
NAME/KEY: misc feature
LOCATION: (1)-(28)
OTHER INFORMATION: n = A,T,C or G
US-10-407-089-5
```

```
Query Match      69.5%; Score 14.6; DB 17; Length 28;
```


; ORGANISM: mus musculus
 US-10-809-189-48277

Query Match 68.64; Score 14.4; DB 21; Length 25;
 Best Local Similarity 68.84; Pred. No. 2.4e+03;
 Matches 11; Conservative 4; Mismatches 1; Indels 0; Caps 0;

QY 5 ACCUGCCAGUGCUCUT 20
 |:||:||:||:||:
 Db 2 AACTGCCAGTGTCTT 17

Search completed: September 30, 2005, 10:13:59
 Job time : 3585 secs

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Qy 2 AGACCCGCGAGUCUCUT 20
 Db 27 AGATTTCAGTGTCTCT 9

RESULT 2
 A2821702 28 bp DNA linear GSS 20-FEB-2001
 LOCUS 2M0094001R Mouse 10kb plasmid UGCGIM library Mus musculus genomic
 DEFINITION clone UGCG2M0094001 R, genomic survey sequence.
 A2821702
 ACCESSION A2821702.1 GI:12991610
 VERSION
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 28)
 Dunn, D., Aoyagi, A., Barber, M., Beacom, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmood, M., Meenen, E., Pedersen, T.,
 Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
 Niederhausern, A. and Wright, D., Weis, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 JOURNAL Unpublished (2000)
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0094 row: 0 column: 01
 Seq primer: CACACAGGAACGCTATGACC
 Class: plasmid ends
 High quality sequence stop: 28.
 Location/Qualifiers
 1..28
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC2M0094001"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_1lb="Mouse 10kb plasmid UGCGIM library"
 /note="Vector: PMD42N, Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (http://www.jax.org/resources/documents/dnares/). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of PMD42 (GI:473214|gb|AF129072.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptor complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

ORIGIN
 Query Match 58.1%; Score 12.2; DB 8; Length 28;
 Best Local Similarity 58.8%; Pred. No. 3.8e+05;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 4 GACCCGCGAGUCUCUT 20
 Db 1 GACCTGCCAATCTACTT 17

RESULT 3
 AG192441 28 bp DNA linear GSS 06-MAR-2004
 LOCUS Pan troglodytes DNA, clone: RP43-068P22.T7, genomic survey
 DEFINITION sequence.
 AG192441
 ACCESSION AG192441.1 GI:45224617
 VERSION
 KEYWORDS GSS.
 SOURCE Pan troglodytes (chimpanzee)
 ORGANISM Pan troglodytes
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Pan.
 1
 Park, H., Kim, Y., Kim, S., Han, Y., Woo, T., Park, K., Eun, C.J.,
 Hoon, S.T., Chu, M., Kim, H., Joo, S., Kim, C., Song, W. and Yoo, H.
 BAC end sequences of library RP-43
 JOURNAL Unpublished
 2 (bases 1 to 28)
 Park, H., Kim, Y., Kim, S., Han, Y., Woo, T., Park, K., Eun, C.J.,
 Hoon, S.T., Chu, M., Kim, H., Joo, S., Kim, C., Song, W. and Yoo, H.
 Direct Submission
 Submitted (07-JAN-2002) Hong-Seog Park, Korea Research Institute of
 Bioscience and Biotechnology (KRIBB), Genome Research Center (GRC);
 52, Oun-dong, Yuseong-gu, Daejeon 305-333, Korea
 (E-mail:rdstone@mail.krrib.re.kr, URL:http://pns-grc.krrib.re.kr/,
 Tel:82-42-866-7181, Fax:82-42-860-4409)
 Clones are derived from the chimpanzee BAC library RP-43 This BAC
 end was generated during the R&D process and may have higher chance
 of clone tracking errors.
 PRIMERS
 Sequencing: T7
 LIBRARY
 Vector : pBACE3.6
 R.Site 1 : EORI
 R.Site 2 : EORI.
 Location/Qualifiers
 1..28
 /organism="Pan troglodytes"
 /mol_type="genomic DNA"
 /db_xref="taxon:9598"
 /clone="RP43-068P22.T7"
 /sex="male"
 /cell_type="lymphocytes"
 /clone_1lb="RP-43 Chimpanzee Male BAC Library"

ORIGIN
 Query Match 58.1%; Score 12.2; DB 9; Length 28;
 Best Local Similarity 58.8%; Pred. No. 3.8e+05;
 Matches 10; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

Qy 3 GGACCCGCGAGUCUCU 19
 Db 12 GTACATGCCATGTCTCT 28

RESULT 4
 A1370776 28 bp mRNA linear EST 16-FEB-1999
 LOCUS A1370776
 DEFINITION q289c10.x1 Soares pregnant uterus NbHPU Homo sapiens cDNA clone
 IMAGE:2041746.3' similar to SW:IF6G HUMAN 004637 EUKARYOTIC
 TRANSLATION INITIATION FACTOR 4 GAMMA.; mRNA sequence.
 A1370776
 ACCESSION A1370776.1 GI:4149529
 VERSION
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.

REFERENCE 1 (bases 1 to 28)
 NCBI-CCAP <http://www.ncbi.nlm.nih.gov/ncicgap>.
 AUTHORS National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
 TITLE Tumor Gene Index
 JOURNAL Unpublished (1997)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cgapbs-r@mail.nih.gov
 This clone is available royalty-free through LNL; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Trace considered overall poor quality
 Insert Length: 1306 Std Error: 0.00
 Seq primer: -40UP from Gibco
 High quality sequence stop: 1.
 Location/Qualifiers
 1..28
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:2041746"
 /sex="female"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="Soares_pregnant_uterus_NbHPU"
 /note="Organ: uterus; Vector: pT73-Pac; Site_1: Not I;
 Site_2: Eco RI; 1st strand cDNA was primed with a Not I -
 oligo(dT) primer [5',
 AACTGGAGAGATTGCGGCGCTTTTCTTTTCTTTT 3']
 double-stranded cDNA was ligated to Eco RI adaptors
 (Pharmacia), digested with Not I and cloned into the Not I
 and Eco RI sites of the modified pT73 vector. Library
 went through one round of normalization. Library
 constructed by M. Fatima Bonaldo."

ORIGIN
 Query Match 55.2%; Score 11.6; DB 1; Length 28;
 Best Local Similarity 61.1%; Pred. No. 7.4e+05;
 Matches 11; Conservative 3; Mismatches 4; Indels 0; Gaps 0;
 2 AGGACCGCCAGGCGCTCT 19
 20 AGGACCTACAGCGCTCT 3

Db
 20 AGGACCTACAGCGCTCT 3

RESULT 5
 AJ592231 22 bp DNA linear GSS 15-JAN-2004
 LOCUS Arabidopsis thaliana T-DNA flanking sequence, right border, clone
 DEFINITION 609C01, genomic survey sequence.
 ACCESSION AJ592231
 VERSION AJ592231.1 GI:37941855
 KEYWORDS GSS; right border; T-DNA flanking sequence.
 SOURCE Arabidopsis thaliana (thale cress)
 ORGANISM Arabidopsis thaliana
 Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 Spermatophyta; Magnoliophyta; eudicotyledons; Core eudicots;
 rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 1
 Brunaud, V., Balzerque, S., Dubreucq, B., Aubourg, S., Samson, F.,
 Chauvin, S., Bechtold, N., Crnaud, C., Depose, R., Pelletier, G.,
 Lepoint, L., Caboche, M. and Lecharny, A.
 T-DNA integration into the Arabidopsis genome depends on sequences
 of pre-insertion sites
 EMBO Rep. 3 (12), 1152-1157 (2002)
 JOURNAL
 MEDLINE 22363535
 PUBMED 12446565
 2 (bases 1 to 22)
 Balzerque, S.
 Direct Submision
 Submitted (23-OCT-2003) Balzerque S., UMRGV, INRA/CNRS, 2 rue
 Gaston Cremieux, 91057 Evry cedex, FRANCE
 PCR was performed on DNA from transformants of Arabidopsis thaliana
 plants from INRA (Versailles). The DNA fragment(s) resulting from
 the PCR were directly sequenced from the left or the right border

FEATURES
 source
 1..28
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:2041746"
 /sex="female"
 /dev_stage="adult"
 /lab_host="DH10B"
 /clone_lib="Soares_pregnant_uterus_NbHPU"
 /note="Organ: uterus; Vector: pT73-Pac; Site_1: Not I;
 Site_2: Eco RI; 1st strand cDNA was primed with a Not I -
 oligo(dT) primer [5',
 AACTGGAGAGATTGCGGCGCTTTTCTTTTCTTTT 3']
 double-stranded cDNA was ligated to Eco RI adaptors
 (Pharmacia), digested with Not I and cloned into the Not I
 and Eco RI sites of the modified pT73 vector. Library
 went through one round of normalization. Library
 constructed by M. Fatima Bonaldo."

to determine the genomic sequence flanking the insertion. T-DNA
 derived sequences were removed. Information to order the
 corresponding mutant line and a link to a database providing a
 graphical display of the insertion site are available at
<http://dbgap.veraillies.inra.fr/publiclines/>. This sequence has
 been generated in the framework of the French plant genomics
 program 'Genoplante' (<http://www.genoplante.com> and
<http://genoplante-info.inbioigen.fr>).
 Location/Qualifiers
 1..22
 /organism="Arabidopsis thaliana"
 /mol_type="genomic DNA"
 /cultivar="Massiliaeskija"
 /db_xref="taxon:3702"
 /clone="609C01"
 /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
 1..22
 /note="T-DNA flanking sequence
 right border"

ORIGIN
 Query Match 52.4%; Score 11; DB 9; Length 22;
 Best Local Similarity 57.9%; Pred. No. 1.4e+06;
 Matches 11; Conservative 3; Mismatches 5; Indels 0; Gaps 0;
 3 GGACCGCCAGGCGCTCT 21
 3 GGACCGCCAGGCGCTCT 21

Db
 3 GGACCGCCAGGCGCTCT 21

RESULT 6
 AZ847949 29 bp DNA linear GSS 21-FEB-2001
 LOCUS 2M0148B23R Mouse 10kb plasmid UGCGM library Mus musculus genomic
 DEFINITION clone UGCGM0148B23 R, genomic survey sequence.
 ACCESSION AZ847949
 VERSION AZ847949.1 GI:13029307
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 29)
 Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmood, M., Meenen, B., Pedersen, T.,
 Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
 Niederhausern, A. and Wright, D. Weiss, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 Unpublished (2000)
 CONTACT: Robert B. Weiss
 University of Utah Genome Center
 University of Utah
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0148 row: B column: 23
 Seq primer: CACACGAGAACGACTATGACC
 Class: plasmid ends
 High quality sequence stop: 29.
 Location/Qualifiers
 1..29
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UGCGM0148B23"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UGCGM library"

/note="Vector: PMD42nv, Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 52.4%; Score 11; DB 8; Length 29;
Best Local Similarity 57.9%; Pred. No. 1.4e+06;
Matches 11; Conservative 3; Mismatches 5; Indels 0; Gaps 0;

Qy 2 AGGACCGCCAGGCGCCTT 20
| ||||| : |||
Db 8 ATGACCTGCGCATGATCAT 26

RESULT 7
AZ815857/c 26 bp DNA linear GSS 20-FEB-2001
LOCUS 2M008401F Mouse 10kb plasmid UGCGIM library Mus musculus genomic
DEFINITION clone UGCGM008401 F, genomic survey sequence.

ACCESSION AZ815857
VERSION AZ815857.1 GI:12985765
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 26)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std. Error: 0.00
Place: 0084 row: A column: 01
Seq primer: CGTGTAAACGACGCGCGT

Class: plasmid ends
High quality sequence stop: 26.

FEATURES

SOURCE

1.26
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCGM008401"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCGIM library"

/note="Vector: PMD42nv, Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PMD42 (g1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 51.4%; Score 10.8; DB 8; Length 26;
Best Local Similarity 64.3%; Pred. No. 1.8e+06;
Matches 9; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

Qy 8 UGCCAGGCGCTT 21
: ||||| : |||
Db 19 TGCCAGGGGTCTTT 6

RESULT 8
AZ617463/c 24 bp DNA linear GSS 13-DEC-2000
LOCUS 1M0448F1R Mouse 10kb plasmid UGCGIM library Mus musculus genomic
DEFINITION clone UGCGIM0448F15 R, genomic survey sequence.

ACCESSION AZ617463
VERSION AZ617463.1 GI:11739653
KEYWORDS GSS.
SOURCE Mus musculus (house mouse)
ORGANISM Mus musculus

REFERENCE 1 (bases 1 to 24)
AUTHORS Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly,M., Rose,M., Rose,R., Stokes,R., Tingey,A., von Niederhausern,A. and Wright,D.,Weiss,R.

TITLE Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts

JOURNAL Unpublished (2000)
COMMENT Contact: Robert B. Weiss
University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std. Error: 0.00
Place: 0448 row: F column: 15
Seq primer: CACACGAAACGCTATGACC

Class: plasmid ends
High quality sequence stop: 24.

FEATURES

SOURCE

1.24
/organism="Mus musculus"
/mol_type="genomic DNA"
/strain="C57BL/6J"
/db_xref="taxon:10090"
/clone="UGCGIM0448F15"
/sex="Male"
/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
/clone_lib="Mouse 10kb plasmid UGCGIM library"

/note="Vector: PWD42nv, Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (<http://www.jax.org/resources/documents/dnares/>). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of pMD42 (g1|4732114|gb|AF129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent *E. coli* XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match 50.5%; Score 10.6; DB 8; Length 24;
Best Local Similarity 70.6%; Pred. No. 2.2e+06;
Matches 12; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 2 AGGACCGCCAGGCGC 18
|||:|||||
DB 18 AGGACTGCCACGCAC 2

RESULT 9
AL042578 28 bp mRNA linear EST 06-JUL-2004
LOCUS DKFZP434J0821.F1.434 (synonym: hte3) Homo sapiens cDNA clone

DEFINITION DKFZP434J0821, mRNA sequence.

ACCESSION AL042578
VERSION AL042578.1 GI:49682446

SOURCE EST.
ORGANISM Homo sapiens (human)

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

1 (bases 1 to 28)

Blum, H., Bauerbachs, S., Mewes, H.W., Gassenhuber, J. and Wiemann, S.

EST (Blum, et al.)

Unpublished (1999)

COMMENT Contact: MIPS

MIPS Ingolstaedter Landstr.1, D-85764 Neuherberg, Germany.

Location/Qualifiers

1..28
/organism="Homo sapiens"

/mol_type="RNA"

/db_xref="taxon:9606"

/clone="DKFZP434J0821"

/isue_type="testis"

/dev_stage="adult"

/lab_host="DH10B"

/clone_1lb="434 (synonym: hte3)"

/note="Vector: pSPoriT, Site_1: NotI; Site_2: SalI"

ORIGIN

Query Match 49.5%; Score 10.4; DB 1; Length 28;
Best Local Similarity 61.5%; Pred. No. 2.8e+06;
Matches 8; Conservative 3; Mismatches 2; Indels 0; Gaps 0;

QY 6 CCUGCCAGGCGC 18
|||:|||||
DB 3 CCGCCGCTACTC 15

RESULT 10
AZ642513

LOCUS AZ642513 28 bp DNA linear GSS 14-DEC-2000
DEFINITION IM0505N01R Mouse 10kb plasmid UGCGIM library Mus musculus genomic clone UGCGIM0505N01 R, genomic survey sequence.

ACCESSION AZ642513

VERSION AZ642513.1 GI:11769194

KEYWORDS GSS.

SOURCE Mus musculus (house mouse)

ORGANISM Mus musculus

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

1 (bases 1 to 28)

Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,

Islam, H., Longacre, S., Mahmoud, M., Meenen, B., Pedersen, T.,

Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von

Niederhausern, A. and Wright, D., Weiss, R.

Mouse whole genome scaffolding with paired end reads from 10kb

plasmid inserts

Unpublished (2000)

Contact: Robert B. Weiss

University of Utah Genome Center

Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT

84112, USA

Tel: 801 585 5606

Fax: 801 585 7177

Email: ddunn@genetics.utah.edu

Insert length: 10000 Std Error: 0.00

Plate: 0505 row: N column: 01

Seq primer: CACACGGAACAGCTATGACC

Class: plasmid ends

high quality sequence stop: 28.

Location/Qualifiers

1..28

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="UGCGIM0505N01"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"

/clone_1lb="Mouse 10kb plasmid UGCGIM library"

/note="Vector: PWD42nv, Purified genomic DNA from M.

musculus C57BL/6J (male) was obtained from the Jackson

Laboratory Mouse DNA Resource

(<http://www.jax.org/resources/documents/dnares/>). The DNA

was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA

was blunt end-repaired with T4 DNA polymerase and T4

polynucleotide kinase. Adaptor oligonucleotides were

ligated to the blunt ends in high molar excess. The

adaptor DNA was purified and size-selected for a 9.5 to

10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative

of pMD42 (g1|4732114|gb|AF129072.1), a copy-number

inducible derivative of plasmid R1. The vector was ligated

with adaptors complementary to the insert adaptors and

purified. The sheared, adaptor mouse DNA was annealed to

adaptor vector DNA, and transformed into

chemically-competent *E. coli* XL10-Gold (Stratagene) cells

and selected for ampicillin resistance."

ORIGIN

Query Match 49.5%; Score 10.4; DB 8; Length 28;
Best Local Similarity 75.0%; Pred. No. 2.8e+06;
Matches 9; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 9 GCCAGGCGCTCT 20
|||||:|||||
DB 3 GCCAGAGCTCTT 14

RESULT 11
AZ642513

LOCUS AZ454477 29 bp DNA linear GSS 04-OCT-2000
 DEFINITION IM0256N22F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0256N22 F, genomic survey sequence.
 ACCESSION AZ454477
 VERSION AZ454477.1 GI:10612602
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 29)
 REFERENCE
 AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,
 Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
 Niederhausern, A. and Wright, D., Weis, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 TITLE Unpublished (2000)
 JOURNAL
 COMMENT Contact: Robert B. Weiss
 University of Utah Genome Center
 Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLG, UT
 84112, USA
 Tel: 801 585 5606
 Fax: 801 585 7177
 Email: ddunn@genetics.utah.edu
 Insert Length: 10000 Std Error: 0.00
 Plate: 0256 row: N column: 22
 Seq primer: CGTTGTAAACGACGCGCAGT
 Class: plasmid ends
 High quality sequence stop: 29.
 FEATURES
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 1..29
 Location/Qualifiers
 /organism="Mus musculus"
 /mol_type="genomic DNA"
 /strain="C57BL/6J"
 /db_xref="taxon:10090"
 /clone="UUGC1M0256N22"
 /sex="Male"
 /lab_host="E. Coli strain XL10-Gold, T1-resistant, F-"
 /clone_lib="Mouse 10kb plasmid UUGC1M library"
 /note="Vector: PWD42nV; Purified genomic DNA from M.
 musculus C57BL/6J (male) was obtained from the Jackson
 Laboratory Mouse DNA Resource
 (<http://www.jax.org/resources/documents/dnares/>). The DNA
 was hydrodynamically sheared by repeated passage through a
 0.005 inch orifice at constant velocity. The sheared DNA
 was blunt end-repaired with T4 DNA polymerase and T4
 polynucleotide kinase. Adaptor oligonucleotides were
 ligated to the blunt ends in high molar excess. The
 adaptor DNA was purified and size-selected for a 9.5 to
 10.5 kb range using preparative agarose gel
 electrophoresis. Vector DNA was prepared from a derivative
 of pMD42 (gi|473214|gb|AF12972.1), a copy-number
 inducible derivative of plasmid R1. The vector was ligated
 with adaptor complementary to the insert adaptors and
 purified. The sheared, adaptor mouse DNA was annealed to
 adaptor vector DNA, and transformed into
 chemically-competent E. coli XL10-Gold (Stratagene) cells
 and selected for ampicillin resistance."

LOCUS BG424013 30 bp mRNA linear EST 14-MAR-2001
 DEFINITION 602447475F1 NIH_MGC_14 Homo sapiens CDNA clone IMAGE:4586106 5',
 mRNA sequence.
 ACCESSION BG424013
 VERSION BG424013.1 GI:13330519
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
 1 (bases 1 to 30)
 REFERENCE
 AUTHORS NIH-MGC <http://mgs.nci.nih.gov/>
 TITLE National Institutes of Health, Mammalian Gene Collection (MGC)
 JOURNAL Unpublished (1999)
 COMMENT Contact: Robert Strausberg, Ph.D.
 Email: cga@bhs-remail.nih.gov
 Tissue Procurement: DCTD/DRP
 CDNA Library Preparation: Ling Hong/Rubin Laboratory
 CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
 DNA Sequencing by: Incyte Genomics, Inc.
 Clone distribution: MGC clone distribution information can be
 found through the I.M.A.G.E. Consortium/LLNL at:
<http://image.llnl.gov>
 Plate: LHCN1314 row: e column: 19
 High quality sequence stop: 30.
 FEATURES
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 1..30
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="IMAGE:4586106"
 /tissue_type="renal cell adenocarcinoma"
 /lab_host="DH10B (phage-resistant)"
 /clone_lib="NIH MGC 14"
 /note="Organ: Kidney; Vector: pOT87; Site 1: XhoI; Site 2:
 EcoRI; CDNA made by oligo-dT priming. Directionally
 cloned into EcoRI/XhoI sites using the following 5'
 adaptor: GGCACGAG(G). Size-selected >500bp for average
 insert size 1.8kb. Library constructed by Ling Hong in
 the laboratory of Gerald M. Rubin (University of
 California, Berkeley) using ZAP-cDNA synthesis kit
 (Stratagene) and Superscript II RT (Life Technologies)."
 ORIGIN
 Query Match 49.5%; Score 10.4; DB 4; Length 30;
 Best Local Similarity 55.0%; Pred. No. 2.8e+06;
 Matches 11; Conservative 3; Mismatches 6; Indels 0; Gaps 0;
 QY 2 AGGACCTGGCAGGUCGUCUTT 21
 Db 30 AGTAACAGCAATGCTATT 11
 RESULT 13
 AZ603158 22 bp DNA linear GSS 13-DEC-2000
 LOCUS AZ603158
 DEFINITION IM0422L13F Mouse 10kb plasmid UUGC1M library Mus musculus genomic
 clone UUGC1M0422L13 F, genomic survey sequence.
 ACCESSION AZ603158
 VERSION AZ603158.1 GI:11725348
 KEYWORDS GSS.
 SOURCE Mus musculus (house mouse)
 ORGANISM Mus musculus
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 1 (bases 1 to 22)
 REFERENCE
 AUTHORS Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C.,
 Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T.,
 Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von
 Niederhausern, A. and Wright, D., Weis, R.
 Mouse whole genome scaffolding with paired end reads from 10kb
 plasmid inserts
 TITLE Unpublished (2000)
 JOURNAL

COMMENT

Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT
84112, USA
Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu

Insert Length: 10000 Std Error: 0.00
Plate: 0422 row: 1 column: 13
Seq primer: CCTGTAAACGACGCCACGT
Class: plasmid ends
High quality sequence stop: 22.

FEATURES

source

Location/Qualifiers

1..22

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/clone="U081M0422L13"

/sex="Male"

/lab_host="E. Coli strain XL10-Gold, TI-resistant, F-"

/clone_lib="Mouse 10kb plasmid U081M library"

/note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource

(http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a

0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4

polynucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The

adapted DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel

electrophoresis. Vector DNA was prepared from a derivative of PWD42 (g1|473214|g0|AF129072.1), a copy-number

inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and

purified. The sheared, adapted mouse DNA was annealed to adapted vector DNA, and transformed into

chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."

ORIGIN

Query Match

48.6%; Score 10.2; DB 8; Length 22;

Best Local Similarity 53.3%; Pred. No. 3.4e+06;

Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;

QY 6 CCUGCCAGUCGUCUT 20

Db 18 CTTTCCCTGCTCTT 4

RESULT 14
AA937308/c
LOCUS
DEFINITION

AA937308 28 bp mRNA linear EST 10-JUN-1998
IMAGE:1541243.3, similar to SM:BNCL_RAT P02663 BRAIN NEURON
CYTOPLASMIC PROTEIN 1; mRNA sequence.

ACCESSION
AA937308
VERSION
AA937308.1 GI:3095419

KEYWORDS
EST.
Homo sapiens (human)

ORGANISM
Homo sapiens (human)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.

REFERENCE
1 (bases 1 to 28)
NCI-CCAP http://www.ncbi.nlm.nih.gov/ncicgap.
National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index

JOURNAL
Unpublished (1997)

CONTACT: Robert Strauberg, Ph.D.
Email: cga@db-r@mail.nih.gov

This clone is available royalty-free through LNL; contact the
IMAGE Consortium (info@image.lnl.gov) for further information.
Trace considered overall poor quality
Insert length: 987 Std Error: 0.00
Seq primer: -40m13 fwd. ET from Amersham
High quality sequence stop: 1.

FEATURES

source

Location/Qualifiers

1..28

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="IMAGE:1541243"

/lab_host="DH10B"

/clone_lib="Soares_NFL_T GBC S1"

/note="Organ: pooled; Vector: pT73D-Pac (Pharmacia) with a modified polylinker; Site 1: Not I; Site 2: Eco RI;

Equal amounts of plasmid DNA from three normalized

libraries (fetal lung NBHL19W, testis NHT, and B-cell

NCI-CGAP GCBI) were mixed, and 88 clones were made in

vitro. Following HAP purification, this DNA was used as

tracer in a subtractive hybridization reaction. The driver

was PCR-amplified cDNAs from pools of 5,000 clones made

from the same 3 libraries. The pools consisted of

1. M.A.G.E. clones 297460-302087, 682632-687239,
726408-728711, and 729096-731399. Subtraction by Bento

Soares and M. Fatima Bonaldo."

ORIGIN

Query Match

48.6%; Score 10.2; DB 1; Length 28;

Best Local Similarity 73.3%; Pred. No. 3.5e+06;

Matches 11; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 2 AGGACCGCAGUCG 16

Db 28 AGGACCGCAGTC 14

RESULT 15
AB004341
LOCUS

DEFINITION
AB004341 28 bp DNA linear GSS 24-JUL-1997
mouse genomic DNA, chromosome 17, clone YAC ymw1BR121D10, genomic

survey sequence.

ACCESSION
AB004341
VERSION
AB004341.1 GI:2242909

KEYWORDS
GSS.

SOURCE
Mus musculus (house mouse)

ORGANISM

Mus musculus (house mouse)
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.

REFERENCE
1 (bases 1 to 28)
Yoshino, M., Xiao, H., Jones, E., Trechtle, Z., Vincel, V.,
A YAC contig from the distal Mnc class I region on mouse Chr17

Unpublished

Yoshino, M.

Direct Submission

Submitted (29-MAY-1997) Masayasu Yoshino, U.T. Southwestern Medical

Center, HHMI, 5322 Harry Hines Blvd, Dallas, TX 75235-9050, USA

(E-mail: YOSHINO@UTSW.SMED.EDU, Tel:214-648-5047, Fax:214-648-5453)

Location/Qualifiers

1..28

/organism="Mus musculus"

/mol_type="genomic DNA"

/strain="C57BL/6J"

/db_xref="taxon:10090"

/chromosome="17"

/clone_lib="YAC ymw1BR121D10"

/haplotype="H2b"

/clone_lib="the MIT mouse YAC library; cat.#95021 Research

Genetics"

/note="right arm portion of the clone"

ORIGIN

Query Match 48.6%; Score 10.2; DB 9; Length 28;
 Best Local Similarity 53.3%; Pred. No. 3.5e+06;
 Matches 8; Conservative 4; Mismatches 3; Indels 0; Gaps 0;
 QY 5 ACCUGCCAGUGUCU 19
 |||:|||||:|:|:
 Db 10 ACCUGCCACTTCTT 24

Search completed: September 30, 2005, 11:04:02
 Job time : 2992 secs